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BESANTEK

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Version: 2019-V1

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BESANTEK

BESANTEK Corporation is a Canadian leader in providing industry standard specialized full series of Test & Measurement Instruments, Tools, and High Voltage Phase Comparators.

BESANTEK Incorporated in 2009 in Canada and is now an ISO 9001-2015 certified organization. BESANTEK is now one of Canada's rapidly growing leading supplier to the various industries such as Engineering Laboratories and Facilities, Biomedical Laboratories, Biotechnical Engineering Facilities, Pharmaceuticals Labs & Manufacturing Industries as well as Chemical labs, Transportation Industry, H-VAC and Industrial Manufacturing.

Our current customers include small and large industries, such as power generating, oil refining, biomedical, pharmaceutical, chemical, transportation, electronic and other various businesses enterprises.

We possess the knowledge, experience and knowhow in the industry, and a unique talent for delivering highly complex technical services and concepts that the industry demands.

We have assisted all types of clients and customers in all types of settings, furthermore, we enjoy a challenge, and continually stay abreast of the latest advancements in the field.

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BESANTEK Corporation, CANADA

Clamp Meter

BESANTEK Digital True RMS Clamp Meter designed for measuring AC/DC voltage, AC/DC current, resistance, capacitance, frequency and temperature and also performing NCV test.

Features:

- True RMS measurement.
- AC/DC voltage, AC/DC current, resistance, capacitance, diode check, duty cycle, NCV and frequency measurement.
- Auto ranging.
- Data hold function.
- Relative mode.
- Low battery warning indicator.
- Display backlight.
- Jaw capacity 30mm.
- Auto power off.
- Continuity buzzer.
- LED flashlight.
- Accessories: Instruction manual, battery, test leads, carrying bag and temperature probe.

BST-CM74

Technical Specification:

BST-CM74	
AC Current	Range: 40A/400A Accuracy: ±(2.5%+5)
DC Current	Range: 40A/400A Accuracy: ±(2.0%+3)
AC Voltage	Range: 4V/40V/400V/600V Accuracy: ±(1.2%+5)
DC Voltage	Range: 400mV/4V/40V/400V/600V Accuracy: ±(0.8%+1)
Resistance	Range: 400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ Accuracy: ±(1.0%+2)
Capacitance	Range: 40nF/400nF/4μF/40μF/400μF/4mF/40mF Accuracy: ±(4.0%+5)
Frequency	Range: 10Hz~1MHz Accuracy: ±(0.1%+4)
Temperature	Range: -40°C~1000°C/-40°F~1832°F Accuracy: ±(1.0%+3)/±(1.0%+6)
Display Count	4000
Jaw Capacity	30mm
LCD Size	38mm × 24 mm
Operating Temperature & Humidity	0~50 °C, 0~30°C (≤80%RH), 30~40°C (≤75%RH), 40~50°C (≤45%RH)
Storage Temperature & Humidity	-20~60 °C, ≤80%RH
Power Source	AAA 1.5V × 3
Dimensions	228 × 77 × 41 mm
Weight	Approx. 265g (battery included)

Accessories

Instruction Manual

Carrying Bag

Test Leads

Temperature Probe

Battery

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013, UL 61010-1:2012 (3rd), UL 61010-2-030:2012, UL 61010-2-033:2014

Ordering Information:

- BST-CM74: 400A True RMS AC/DC Clamp Meter + NCV.

Clamp Meter

BESANTEK Digital True RMS Clamp Meter designed for measures AC/DC voltage and current, resistance, frequency, duty cycle, also performing diode check and continuity test.

Features:

- True RMS measurement.
- AC/DC voltage, AC/DC current, resistance, diode check, continuity test, duty cycle and frequency measurement.
- Auto ranging.
- Data hold function.
- Sleep mode.
- Low battery warning indicator.
- Display backlight.
- 55mm maximum jaw diameter.
- Measurement update speed 3 times/second.
- Compact and comfortable design.
- Accessories: Instruction manual, battery, test lead and tool box.

BST-CM71

Technical Specification:

BST-CM71	
AC Current	Range: 40A/400A/1000A Accuracy: ±(2%+2)
DC Current	Range: 40A/400A/1000A Accuracy: ±(1.5%+5)
AC Voltage	Range: 400mV/4V/40V/400V/600V Accuracy: ±(1.2%+3)
DC Voltage	Range: 400mV/4V/40V/400V/600V Accuracy: ±(0.8%+1)
Resistance	Range: 400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ Accuracy: ±(1%+2)
Frequency	Range: 100Hz/1kHz/10kHz/100kHz/1MHz/10MHz Accuracy: ±(0.1%+3)
Display Count	3999
Duty Cycle	0.1% ~ 99.9%
LCD Size	47mm X 30mm
Operating Temperature & Humidity	0~50 °C, 0~30°C (≤85%RH), 30~40°C (≤75%RH), 40~50°C (≤45%RH)
Storage Temperature & Humidity	-20~60 °C, ≤85%RH
Power Source	9V Alkaline battery
Dimensions	285.3 x 105 x 44.5 mm
Weight	533g (battery included)

Accessories

Tool Box

Test Leads

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013, UL 61010-1:2008 (2nd), IEC 61010-2-032:2002

Ordering Information:

- BST-CM71: 1000A True RMS AC/DC Clamp Meter.

BESANTEK Digital Voltage and Continuity Tester is an LCD type voltage tester which can measure AC and DC voltage (including the three-phase alternating current) measurement, phase of three-phase AC power indicator, on-off test, RCD test, single pen measurement, self checking, no battery detection and other functions. Suitable for: smelting, electronics, manufacturing, defense, electric power, petroleum, chemical industry. Also used to solve complex problems of electronic, factory automation, power distribution and electrical equipment in.

Features:

- Voltage (AC/DC) test.
- Continuity measurement.
- RCD test.
- Polarity detection.
- Phase rotation test.
- Self-inspection function.
- Illumination function.
- Low battery warning indicator.
- LCD voltage and frequency display.
- LCD backlight.
- Auto-ranging.
- IP65 protection.
- Accessories: Instruction manual and batteries.

Technical Specification:

BST-MT299		
AC/DC Voltage	Range	6V to 690V AC/DC
	Accuracy	±(1.5%+1)
Phase Rotation Test	Voltage Range	57V~400V
	Frequency	50Hz~60Hz
RCD Test	Voltage Range	230V
	Frequency	50Hz~400Hz
Continuity	Resistance: 0~100kΩ, beeper and LED light indicator	
LCD Size	31×20 mm	
Operating Temperature & Humidity	-15°C~45°C, ≤85%RH	
Storage Temperature	-20°C~60°C	
Power Source	1.5V batteries (LR03) × 2	
Dimensions	272 × 85 × 31 mm	
Weight	Approx. 295g (battery included)	

BST-MT299

Ordering Information:

- BST-MT299: Digital Voltage and Continuity Tester.

IP65

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013, UL 61010-1:2012 (3rd), UL 61010-2-030:2012, UL 61010-031:2010, UL 61010-2-033:2012

BESANTEK Pocket Digital Multimeter which measures AC/DC voltage, DC current, resistance, tests diodes and checking continuity.

Features:

- Hold function.
- Manual ranging.
- Voltage, DC current and resistance measurement.
- Diode and continuity test with buzzer.
- Square wave output.
- Low battery warning indicator.
- LCD display.
- Measurement update speed 2~3 times/second.
- Compact and lightweight.
- Accessories: Instruction manual, battery, test leads and holster.

BST-MT71

Technical Specification:

BST-MT71	
DC Voltage	Range: 200mV/2000mV/20V/200V/250V Accuracy: ±(0.5%+2)
AC Voltage	Range: 200V/250V Accuracy: ±(1.2%+10)
DC Current	Range: 2000μA/20mA/200mA/10A Accuracy: ±(1%+2)
Resistance	Range: 200Ω/2000Ω/20kΩ/200kΩ/20MΩ/200MΩ Accuracy: ±(0.8%+2)
Input Impedance for DC Voltage Measurement	10MΩ
Display Count	1999
Measurement Speed	Updates 2~3 times/second
LCD Size	48 × 16 mm
Operating Temperature	0°C~40°C (32°F~104°F)
Operating Humidity	75%RH at 0°C~30°C, 50%RH at 31°C~40°C
Storage Temperature	-10°C~50°C (14°F~122°F)
Power Source	9V battery x 1
Dimensions	130 × 73.5 × 35 mm
Weight	Approx. 156g (battery included)

Accessories

Instruction Manual

Holster

Test Leads

Battery

Ordering Information:

- BST-MT71: Pocket Digital Multimeter.

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013, UL 61010-1:2012 (3rd), UL 61010-2-030:2012, UL 61010-2-033:2014

BESANTEK Pocket Digital Multimeter which measures AC/DC voltage, resistance, capacitance, tests diodes and checking continuity. It is suitable for measurement of smelting, communication, manufacturing, petroleum, national defense, electric power, chemical industry and other industries.

Features:

- 4000 display count.
- AC/DC voltage, resistance, capacitance and frequency measurement.
- Diode and continuity test with buzzer.
- Low battery warning indicator.
- Auto power off.
- Data hold function.
- Accessories: Instruction manual, carrying case and battery.

BST-MT72

Technical Specification:

BST-MT72						
DC Voltage (V)	Range	4V	40V	400V	600V	
	Resolution	1mV	10mV	100mV	1V	
	Accuracy	±(0.8%+1)			±(1%+3)	
AC Voltage (V)	Range	4V	40V	400V	600V	
	Resolution	1mV	10mV	100mV	1V	
	Accuracy	±(1.2%+3)			±(1.5%+5)	
Resistance (Ω)	Range	400Ω	4kΩ	40kΩ	400kΩ	4MΩ	40MΩ
	Resolution	0.1Ω	1Ω	10Ω	100Ω	1kΩ	10kΩ
	Accuracy	±(1.2%+2)	±(1%+2)			±(1.2%+2)	±(1.5%+2)
Capacitance (F)	Range	4nF	40nF	400nF	4μF	40μF	100μF
	Resolution	0.001nF	0.01nF	0.1nF	0.001μF	0.01μF	0.1μF
	Accuracy	±(4%+3)					±(5%+10)
Frequency (Hz)	Range	99.9Hz	0.999kHz	9.99kHz	99.9kHz		
	Resolution	0.1Hz	0.001kHz	0.01kHz	0.1kHz		
	Accuracy	±(0.5%+3)					
Duty Cycle	0.1%~99.9%						
Operating Temperature	0°C~40°C (32°F~104°F)						
Storage Temperature	-10°C~50°C (14°F~122°F)						
Power Source	3V battery (CR2032)						
Dimensions	109.8 x 8.2 x 10.8 mm						
Weight	Approx. 76g						

Ordering Information:

- BST-MT72: Pocket Digital Multimeter.

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013, UL 61010-1:2012 (3rd), UL 61010-2-030:2012, UL 61010-2-031:2010

BESANTEK True RMS Digital Multimeter measures AC/DC voltage and current, frequency, capacitance, resistance, type k temperature, diode, duty ratio and continuity. It thas special features such as LoZ measure for detecting capacitor's ghost voltage and simulated 31 segment analog bar, giving electricians a better visual representation of measurement results. It is built with black EBTN display, a perfect meter for working in dark environments.

Features:

- True RMS measurement.
- 6000 display count.
- Black EBTN screen.
- Auto and manual ranges selectable.
- LPF (low pass filter) function.
- LoZ (low impedance input) function.
- AC/DC voltage measurement.
- AC/DC current measurement.
- Resistance and capacitance measurement.
- Frequency measurement.
- Diode, duty ratio and continuity buzzer.
- Type K temperature measurements.
- Non-contact voltage measurement.
- 31-segment analog bar graph.
- Max./Min. function.
- Low battery warning indicator.
- Accessories: Instruction manual, test lead, K-type thermocouple and batteries.

BST-MT708

Technical Specification:

BST-MT708							
DC Voltage (V)	Range	60mV	600mV	6V	60V	600V	
	Resolution	0.01mV	0.1mV	0.001V	0.01V	0.1V	
	Accuracy	±(0.7%+3)	±(0.5%+2)	±(0.7%+3)			
AC Voltage (V)	Range	60mV	600mV	6V	60V	600V	
	Resolution	0.01mV	0.1mV	0.001V	0.01V	0.1V	
	Accuracy	±(1%+3)		±(0.8%+3)			
DC Current (A)	Range	600μA	6000μA	60mA	600mA	6A	10A
	Resolution	0.1μA	1μA	0.01mA	0.1mA	0.001A	0.01A
	Accuracy	±(0.7%+2)				±(1%+3)	
AC Current (A)	Range	600μA	6000μA	60mA	600mA	6A	10A
	Resolution	0.1μA	1μA	0.01mA	0.1mA	0.001A	0.01A
	Accuracy	±(1%+3)				±(1.2%+3)	
Resistance (Ω)	Range	600Ω	6kΩ	60kΩ	600kΩ	6MΩ	60MΩ
	Resolution	0.1Ω	0.001kΩ	0.01kΩ	0.1kΩ	0.001MΩ	0.01MΩ
	Accuracy	±(1%+2)	±(0.8%+2)			±(1.2%+3)	±(1.5%+5)
Capacitance (F)	Range	9.999nF		99.99nF~999.9μF		9.999mF~99.99mF	
	Resolution	0.001nF		0.01nF~0.1μF		0.001mF~0.01mF	
	Accuracy	REL mode: ±(4%+10)		±(4%+5)		±10%	
Frequency (Hz)	Range	9.999Hz~9.999MHz					
	Resolution	0.001Hz~0.001MHz					
	Accuracy	±(0.1%+4)					
Temperature	Range	-40°C~1000°C (-40°F~1832°F)					
	Resolution	1°C (1°F)					
	Accuracy	-40~40°C: ±4, >40~500°C: ±(1%+4), >500~1000°C: ±(2%+4); -40~104°F: ±5, >104~932°F: ±(1.5%+5), >932~1832°C: ±(2.5%+5)					
Duty Ratio	Range	0.1%~99.9%					
	Resolution	0.1%					
Continuity	Open circuit: resistance ≥50Ω, no beep Well-connected circuit: resistance ≤10Ω, continuous beeps						
Diode	Open circuit voltage: 3.2V Test current: about 1.7mA Silicon PN junction voltage: 0.5~0.8V						
Operating Temperature	0°C~40°C (32°F~104°F)						
Storage Temperature	-10°C~50°C (14°F~122°F)						
Power Source	AA 1.5V batteries x 2						
Dimensions	175 × 81 × 48.5 mm						
Weight	Approx. 345g (battery included)						

Ordering Information:

- BST-MT708: True RMS Digital Multimeter.

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013, UL 61010-1:2012 (3rd), UL 61010-2-030:2012, UL 61010-2-033:2014

BESANTEK Insulation Resistance Tester which has the parameters such as insulation resistance, AC/DC voltage, resistance, capacitance, frequency and continuity.

Features:

- Five insulation test voltage: 50V/100V/250V/500V/1000V.
- Insulation resistance can be test to 200GΩ.
- Measured absorptance/polarization index, low-resistance test (100Ω).
- Step voltage regulation, the function of remote detection test lead and comparison.
- 600V AC/DC voltage.
- Frequency and capacitance test.
- Continuity measurement.
- Large LCD display with white backlight, easy to read.
- Low battery warning indicator.
- 99 data loging.
- Auto-ranging.
- Analogue bar graph.
- Auto power off.
- Data hold function.
- Accessories: Instruction manual, test lead, alligator clip, carrying bag and batteries.

BST-IT112

Technical Specification:

BST-IT112	
Output Voltage	50V/100V/250V/500V/1000V
Insulation Resistance	50V: 0.00MΩ~0.99GΩ/1.00GΩ~10.0GΩ 100V: 0.00MΩ~0.99GΩ/1.00GΩ~20.0GΩ 250V: 0.00MΩ~0.99GΩ/1.00GΩ~50GΩ 500V: 0.00MΩ~0.99GΩ/1.00GΩ~100GΩ 1000V: 0.00MΩ~0.99GΩ/1.00GΩ~200GΩ
Basic Accuracy	±(3%+3)
DC Voltage	Range: 0V~600V Accuracy: ±(2%+3)
AC Voltage	Range: 0V~600V Accuracy: ±(1.5%+5)
Leakage Current	Range: 10μA~2mA Accuracy: ±(10%+3)
Resistance	Range: 0.001kΩ~10MΩ Accuracy: ±(3%+3)
Capacitance	Range: 0.1nF~500μF Accuracy: ±(5%+5)
Frequency	Range: 45Hz~1kHz Accuracy: ±(0.1%+3)
Display Count	6000
LCD Size	78mm x 59mm
Operating Temperature & Humidity	0°C~40°C, ≤ 85%RH
Storage Temperature & Humidity	-20°C~60°C, ≤ 90%RH
Power Source	1.5V batteries x 6
Dimensions	225 × 103 × 59 mm
Weight	Approx. 700g (battery included)

Ordering Information:

- BST-IT112: Insulation Resistance Tester 1kV.

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013, UL 61010-1:2012 (3rd), UL 61010-2-030:2012, UL 61010-2-033:2014

Digital High Voltage Insulation Tester 5kV
BESANTEK

BESANTEK Digital High Voltage Insulation Tester is designed to evaluate wires and cables for proper insulation tolerances.

Features:

- High contrast OLED display.
- Microprocessor controlled.
- Tests insulation resistance up to 10TΩ.
- Four insulation test voltages: 500V, 1000V, 2500V and 5000V.
- AC/DC voltmeter.
- PI (Polarization Index) indication.
- DAR (Dielectric Absorption Ratio) indication.
- Auto-ranging on all insulation ranges.
- Optical USB to RS-232 data transmission.
- Well isolated from contact.
- Well protected from surges.
- 2 built-in optical LEDs for data transfer.
- Visual and audio warning of external voltage presence (≥30Vac or ≥30Vdc).
- Auto-hold function to freeze reading.
- Overload protection.
- Adjustable testing duration: 1~30 minutes.
- Internal memory for data storage.
- Displays testing duration for insulation measurement.
- Auto-off function.
- 200 measurement results can be saved in memory and recalled on display.
- Accessories: Instruction manual, test leads, data transmission cable, compact disk (CD) for PC interface, alligator clip and charger.

BST-IT705

Data Communication Function:

- Data can be downloaded and saved to a PC.
- Data can also be transferred to a PC for realtime display.
- 200 measurement results can be saved in the memory and recalled on the display.

Technical Specification:

BST-IT705		
Test Voltage	500V, 1000V, 2500V, 5000V	
Insulation Resistance	1TΩ/500V 2TΩ/1000V 5TΩ/2500V 10TΩ/5000V	
Accuracy	0~100GΩ/500V 0~200GΩ/1000V 0~500GΩ/2500V 0~1000GΩ/5000V	± (5.0%rdg + 5dgt)
	100G~1TΩ/500V 200G~2TΩ/1000V 500G~5TΩ/2500V 1000G~10TΩ/5000V	±12%rdg
Resolution	1000MΩ: 1MΩ 10GΩ: 0.01GΩ 100GΩ: 0.1GΩ 1TΩ: 1GΩ 10TΩ: 10GΩ	
Short Circuit Current	up to 5mA	
PI (Polarization Index)	√	
DAR (Dielectric Absorption Ratio)	√	
Voltmeter	Range: 30~600V AC, 30~600V DC Accuracy: ±(2.0%rdg + 3dgt) Resolution: 1V	
Current Measurement	0.5nA~0.55mA (depending on the insulation resistance)	
Power Source	Rechargeable battery	
Adapter	Input: 100-240Vac, 0.4A, 50-60Hz Output: 24Vdc, 0.62A	
Dimensions	330 (L) × 260 (W) × 160 (D) mm	
Weight	Approx. 3760g	

Ordering Information:

- BST-IT705: Digital High Voltage Insulation Tester 5kV.

Accessories

Test Report
Instruction Manual
CD Software

Test Leads
Alligator Clip

Data Transmission Cable

Charger

Safety Standard:
- EN 61010-1 CAT IV 600V, EN 61010-2-030, EN 61326-1

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Insulation Tester

Digital High Voltage Insulation Tester 5kV
BESANTEK

BESANTEK Digital High Voltage Insulation Tester is designed to evaluate wires and cables for proper insulation tolerances.

Features:

- 2 lines × 16 characters LCD.
- Microprocessor controlled.
- Tests insulation resistance up to 10TΩ.
- Four insulation test voltages: 500V, 1000V, 2500V and 5000V.
- AC/DC voltmeter.
- PI (Polarization Index) indication.
- DAR (Dielectric Absorption Ratio) indication.
- Auto-ranging on all insulation ranges.
- Optical USB to RS-232 data transmission.
- Well isolated from contact.
- Well protected from surges.
- 2 built-in optical LEDs for data transfer.
- Visual and audio warning of external voltage presence (≥30Vac or ≥30Vdc).
- Auto-hold function to freeze reading.
- Overload protection.
- Adjustable testing duration: 1~30 minutes.
- Internal memory for data storage.
- Displays testing duration for insulation measurement.
- Auto-off function.
- 200 measurement results can be saved in memory and recalled on display.
- Accessories: Instruction manual, test leads, data transmission cable, compact disk (CD) for PC interface and alligator clip.

BST-IT706

Data Communication Function:

- Data can be downloaded and saved to a PC.
- Data can also be transferred to a PC for realtime display.
- 200 measurement results can be saved in the memory and recalled on the display.

Technical Specification:

BST-IT706		
Test Voltage	500V, 1000V, 2500V, 5000V	
Insulation Resistance	1TΩ/500V 2TΩ/1000V 5TΩ/2500V 10TΩ/5000V	
Accuracy	0~100GΩ/500V 0~200GΩ/1000V 0~500GΩ/2500V 0~1000GΩ/5000V	± (5.0%rdg + 5dgt)
	100G~1TΩ/500V 200G~2TΩ/1000V 500G~5TΩ/2500V 1000G~10TΩ/5000V	±12%rdg
Resolution	1000MΩ: 1MΩ 10GΩ: 0.01GΩ 100GΩ: 0.1GΩ 1TΩ: 1GΩ 10TΩ: 10GΩ	
Short Circuit Current	up to 5mA	
PI (Polarization Index)	√	
DAR (Dielectric Absorption Ratio)	√	
Voltmeter	Range: 30~600V AC, 30~600V DC Accuracy: ±(2.0%rdg + 3dgt) Resolution: 1V	
Current Measurement	0.5nA~0.55mA (depending on the insulation resistance)	
Power Source	Rechargeable battery	
Adapter	Input: 100-240Vac, 0.4A, 50-60Hz Output: 24Vdc, 0.62A	
Dimensions	330 (L) × 260 (W) × 160 (D) mm	
Weight	Approx. 3760g	

Ordering Information:

- BST-IT706: Digital High Voltage Insulation Tester 5kV.

Accessories

Test Report
Instruction Manual
CD Software

Test Leads
Alligator Clip

Data Transmission Cable

Safety Standard:

- EN 61010-1 CAT IV 600V, EN 61010-2-030, EN 61326-1

Insulation Tester

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BESANTEK Digital High Voltage Insulation Tester is designed to evaluate wires and cables for proper insulation tolerances.

Features:

- 2 lines × 16 characters LCD.
- Microprocessor controlled.
- Tests insulation resistance up to 20TΩ.
- Four insulation test voltages: 1000V, 2500V, 5000V and 10000V.
- AC/DC voltmeter.
- PI (Polarization Index) indication.
- DAR (Dielectric Absorption Ratio) indication.
- Auto-ranging on all insulation ranges.
- Optical USB to RS-232 data transmission.
- Well isolated from contact.
- Well protected from surges.
- 2 built-in optical LEDs for data transfer.
- Visual and audio warning of external voltage presence (≥30Vac or ≥30Vdc).
- Auto-hold function to freeze reading.
- Overload protection.
- Adjustable testing duration: 1~30 minutes.
- Internal memory for data storage.
- Displays testing duration for insulation measurement.
- Auto-off function.
- 200 measurement results can be saved in memory and recalled on display.
- Accessories: Instruction manual, test leads, data transmission cable, compact disk (CD) for PC interface, alligator clip and batteries.

Data Communication Function:

- Data can be downloaded and saved to a PC.
- Data can also be transferred to a PC for realtime display.
- 200 measurement results can be saved in the memory and recalled on the display.

BST-IT810

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BESANTEK Corporation, CANADA

Digital High Voltage Insulation Tester 10kV
BESANTEK

Insulation Tester

Technical Specification:

BST-IT810		
Test Voltage	1000V, 2500V, 5000V, 10000V	
Insulation Resistance	2TΩ/1000V 5TΩ/2500V 10TΩ/5000V 20TΩ/10000V	
Accuracy	0~200GΩ/1000V 0~500GΩ/2500V 0~1000GΩ/5000V 0~2000GΩ/10000V	± (5.0%rdg+5dgt)
	200G~2TΩ/1000V 500G~5TΩ/2500V 1000G~10TΩ/5000V 2000G~20TΩ/10000V	±20%rdg
Resolution	1000MΩ: 1MΩ 10GΩ: 0.01GΩ 100GΩ: 0.1GΩ 1TΩ: 1GΩ 10TΩ: 10GΩ 20TΩ: 100GΩ	
Short Circuit Current	up to 5mA	
PI (Polarization Index)	√	
DAR (Dielectric Absorption Ratio)	√	
Voltmeter	Range: 30~600V AC, 30~600V DC Accuracy: ±(2.0%rdg + 3dgt) Resolution: 1V	
Current Measurement	0.5nA~0.55mA (depending on the insulation resistance)	
Power Source	1.5V "C" x 8 alkaline batteries	
Dimensions	330 (L) × 260 (W) × 160 (D) mm	
Weight	Approx. 4284g	

Ordering Information:

- BST-IT810: Digital High Voltage Insulation Tester 10kV.

Accessories

Test Report
Instruction Manual
CD Software

Test Leads
Alligator Clip

Data Transmission Cable

Safety Standard:

- EN 61010-1 CAT IV 600V, EN 61010-2-030, EN 61326-1

BESANTEK Digital High Voltage Insulation Tester is designed to evaluate Wires and Cables for proper Insulation Tolerances.

Features:

- Test insulation resistance up to 2TΩ (2000GΩ).
- Short-circuit current up to 5mA.
- Microprocessor controlled.
- 30 insulation test voltages.
- AC/DC voltmeter.
- PI (Polarization Index) indication.
- DAR (Dielectric Apsorption ratio).
- Auto-ranging on all insulation ranges.
- Backlight function.
- Bar graph indicates test voltage, rise and decay can be observed.
- Menu driven.
- Visual and audible warning if external voltage is present (≥30Vac or ≥ 30Vdc).
- Auto-hold function to freeze the reading.
- Overload protection.
- Adjustment for testing time (duration): 1- 30 minutes.
- Auto-off.
- Calendar.
- Optical USB to RS-232 data transmission.
- 200 measurement results can be saved in the memory and recalled on the display.
- Accessories: Instruction manual, test leads, data transmission cable, CD for PC interface, alligator clip and charger.

BST-IT115

Technical Specification:

BST-IT115	
Insulation Test Voltage	From 500Vdc to 15kVdc Adjustable in 500V steps
Preset Buttons	1kV, 5kV, 10kV, 15kV
Insulation Resistance	70GΩ/0.5kV 70GΩ at 0.5kV ~ 2TΩ at 15kV
Accuracy	±(5%rdg+5dgt)
Resolution	2GΩ: 0.001GΩ 20GΩ: 0.01GΩ 200GΩ: 0.1GΩ 2TΩ: 1GΩ
Short circuit current	up to 5mA
Voltmeter	ACV: 0~600V DCV: 0~600V Accuracy: ±(2.0%rdg+3dgt) Resolution: 1V
Power Source	Rechargeable battery
Adapter	Input: 100 - 240 Vac, 0.4A , 50 - 60 Hz Output: 24Vdc 0.62A
Dimensions	430(L) x 324(W) x 127(D) mm
Weight	Approx. 5kg

Accessories

Test Report

Instruction Manual

Compact Disc (CD) for PC Interface

Test Leads

Alligator Clip

Data Transmission Cable

Charger

Ordering Information:

- BST-IT115: Digital High Voltage Insulation Tester 15kV.

Safety Standard:

- EN 61010-1 CAT IV 600V, EN 61010-2-030, EN 61326-1

Digital High Voltage Insulation Tester 15kV

BESANTEK

BESANTEK Digital High Voltage Insulation Tester is designed to evaluate wires and cables for proper insulation tolerances.

Features:

- Test insulation resistance up to 30TΩ.
- Short-circuit current up to 5mA.
- Microprocessor controlled.
- 30 insulation test voltages :

  500V, 1kV, 1.5kV, 2kV, 2.5kV, 3kV,
  3.5kV, 4kV, 4.5kV, 5kV, 5.5kV, 6kV,
  6.5kV, 7kV, 7.5kV, 8kV, 8.5kV, 9kV,
  9.5kV, 10kV, 10.5kV, 11kV, 11.5kV, 12kV,
  12.5kV, 13kV, 13.5kV, 14kV, 14.5kV, 15kV.

- AC/DC voltmeter (600V).
- PI (Polarization Index) indication.
- DAR (Dielectric Absorption ratio) indication.
- Auto-ranging on all insulation ranges.
- Backlight function.
- Bargraph indicates test voltage, rise and decay can be observed.
- Menu driven.
- Visual and audible warning if external voltage is present. (≥30Vac or ≥30Vdc).
- Auto-hold function to freeze the reading.
- Overload protection.
- Adjustment for testing time (duration) : 1~30 minutes.
- Auto-off.
- Calendar.
- Optical USB to RS-232 data transmission.
- 200 measurement results can be saved in the memory and recalled on the display.
- Safety standard : EN 61010-1 CAT IV 600V
  EN 61010-2-030
  EN 61326-1.

BST-IT815

Data Communication Function:

- Downloading saved data to a PC.
- Transferring and showing real-time data to a PC.
- 200 measurement results can be saved in the memory and recalled on the display.

Insulation Tester

Technical Specification:

BST-IT815		
Test voltage	From 500Vdc to 15kVdc Adjustable in 500V steps	
Preset buttons	1kV, 5kV, 10kV, 15kV	
Insulation resistance	1000GΩ / 0.5kV 1000GΩ at 0.5kV ~ 30TΩ at 15kV	
Accuracy	1kV: 0~200GΩ 5kV: 0~1TΩ 10kV: 0~2TΩ 15kV: 0~3TΩ	±(5%rdg+5dgt)
	1kV: 200GΩ ~ 2TΩ 5kV: 1TΩ ~ 10TΩ 10kV: 2TΩ ~ 20TΩ 15kV: 3TΩ ~ 30TΩ	±20%
Resolution	1GΩ : 0.001GΩ 10GΩ : 0.01GΩ 100GΩ : 0.1GΩ 1000GΩ : 1GΩ 10TΩ : 10GΩ 30TΩ : 100GΩ	
Short circuit current	up to 5mA	
PI (Polarization Index)	√	
DAR (Dielectric Absorption Ratio)	√	
Voltmeter	ACV : 30~600V (50/60Hz) DCV : 30~600V Accuracy : ±(2.0%rdg+3dgt) Resolution : 1V	
Current measurement	0.5nA ~ 0.55mA (Depending on the insulation resistance)	
Power source	Rechargeable battery	
Adapter	Input : 100-240Vac, 0.4A, 50-60Hz Output : 24Vdc, 0.62A	
Dimensions	430(L) x 324(W) x 127(D)mm	
Weight	Approx : 6.56kg	
Accessories	Instruction manual Test leads Data transmission cable Compact disk (CD) for PC interface Alligator clip Charger Test report	

Accessories

Test Report

Instruction Manual

CD Software

Test leads

Alligator clip

Data transmission cable

Charger

Ordering Information:

- BST-IT815: Digital High Voltage Insulation Tester 15kV.

Safety standard:

- EN 61010-1 CAT IV 600V, EN 61010-2-030, EN 61326-1

Earth Resistance Tester

BESANTEK Earth Resistance Tester is used to measure the ohms (Ω) of an earth grounding installation for buildings (residential, office, labs, hospitals), computer server rooms, military installations, cellular sites, radio and cable towers, etc. It is used to determine if the earth (or ground) is a good conductor of electricity.

Features:

- Microprocessor controlled.
- Measures earth resistance in three ranges: 40Ω, 400Ω, 4kΩ.
- Capable of measuring earth voltage.
- 3¾ digit (4000 count).
- LCD backlight display.
- 2mA measuring current permits the testing of earth resistance without tripping earth leakage current circuit breakers in the circuit.
- Data hold function.
- Auto power-off function.
- Relative function.
- Low battery warning indicator.
- Calibration performed with supplied test leads.
- Accessories: Instruction manual, test leads (red-15m, yellow-10m, green-5m), auxiliary earth spikes, carry case and batteries.

BST-ET101

Technical Specification:

BST-ET101	
Measuring Ranges	Earth Resistance: 0~40Ω/0~400Ω/0~4kΩ Earth Voltage: 0~400V (40~500 Hz)
Accuracy	Earth Resistance: ± (2%rdg+3dgt) Earth Voltage: ± (2%rdg+3dgt)
Earth Resistance Resolution	0~40Ω: 0.01Ω 0~400Ω: 0.1Ω 0~4kΩ: 1Ω
Measurement System	Earth resistance by constant current inverter 820Hz, 2mA approx.
Display LCD	3¾ digit (4000 counts)
Power Source	1.5V (AA) x 6
Dimensions	163 (L) x 102 (W) x 50 (D) mm
Weight	Approx. 440g (batteries included)

Accessories

Ordering Information:

- BST-ET101: Digital Earth Resistance Tester.

Safety Standard:

- EN 61010-1 CAT IV 400V, EN 61326-1, EN 61557-1, EN 61557-5

4 Wire Earth Resistance Tester & Resistivity Tester

BESANTEK 4 Wire Earth Resistance Tester & Resistivity Tester is designed to measure the earth resistance, earth voltage and resistivity.

Features:

- Microprocessor controlled.
- Earth testing at 20Ω, 200Ω and 2kΩ.
- Earth voltage measuring: 0-300V AC.
- Earth resistivity (ρ) test.
- Automatic C spike check.
- Automatic P spike check.
- 2-wire test, 3-wire test and 4-wire test.
- LCD display.
- Auto ranging.
- Auto power off.
- Data hold.
- 200 measurement results can be saved in the memory and recalled on the display.
- Interval between auxiliary earth spikes is 1.0~50.0m.
- Accessories: Instruction manual, test leads (red-15m, black-10m, yellow-10m, green-5m), auxiliary earth spikes, carry case, shoulder belt and batteries.

BST-ET103

Technical Specification:

BST-ET103	
Measuring Ranges	Earth Resistance: 0~20Ω, 0~200Ω, 0~2kΩ Earth Voltage: 0~300V AC Earth Resistivity (ρ=2πLR): 0.06~6.28 kΩ.m 0.62~62.8 kΩ.m 6.28~628 kΩ.m
Accuracy	Earth Resistance: ± (2%rdg+3dgt) Earth Voltage: ± (2%rdg+3dgt)
Earth Resistance Resolution	0~20Ω: 0.01Ω 0~200Ω: 0.1Ω 0~2kΩ: 1Ω
Measuring System	Earth resistance by constant current inverter 820Hz approx. 2mA
Operating Temperature & Humidity	0°C~40°C, ≤ 80%RH
Storage Temperature & Humidity	-10°C~50°C, ≤ 80%RH
Power Source	1.5V (AA) x 8
Dimensions	250 (L) x 190 (W) x 110 (D) mm
Weight	Approx. 1500g (batteries included)

Accessories

Ordering Information:

- BST-ET103: 4 Wire Earth Resistance Tester & Resistivity Tester.

Safety Standard:
- EN 61010-1 CAT IV 300V, IEC 61557-1, IEC 61557-5, EN 61326-1

BESANTEK

4 Wire Earth Resistance Tester & Resistivity Tester with USB Interface

Earth Resistance Tester

BESANTEK 4 Wire Earth Resistance Tester & Resistivity Tester is designed to measure the earth resistance, earth voltage and resistivity.

Features:

- Microprocessor controlled.
- Earth resistivity (ρ) test.
- Automatic C spike check.
- Automatic P spike check.
- 2-wire test, 3-wire test and 4-wire test.
- 200 measurement results can be saved in the memory and recalled on the display.
- Interval between auxiliary earth spikes is 1.0~50.0m.
- Optical USB to RS-232 data transmission.
- The stored data can be transferred to a PC.
- 2 optical LEDs are built-in for data transfer.
- LCD display.
- Auto ranging.
- Auto power off.
- Data hold.
- Accessories: Instruction manual, test leads (red-15m, black-10m, yellow-10m, green-5m), auxiliary earth spikes, carry case, shoulder belt, data transmission cable, CD software and batteries.

BST-ET104

Technical Specification:

BST-ET104	
Measuring Ranges	Earth Resistance: 0~20Ω, 0~200Ω, 0~2kΩ Earth Voltage: 0~300V AC Earth Resistivity (ρ=2πLR): 0.06~6.28 kΩ.m 0.62~62.8 kΩ.m 6.28~628 kΩ.m
Accuracy	Earth Resistance: ± (2%rdg+3dgt) Earth Voltage: ± (2%rdg+3dgt)
Earth Resistance Resolution	0~20Ω: 0.01Ω 0~200Ω: 0.1Ω 0~2kΩ: 1Ω
Measuring System	Earth resistance by constant current inverter 820Hz approx. 2mA
Operating Temperature & Humidity	0°C~40°C, ≤ 80%RH
Storage Temperature & Humidity	-10°C~50°C, ≤ 80%RH
Power Source	1.5V (AA) x 8
Dimensions	250 (L) x 190 (W) x 110 (D) mm
Weight	Approx. 1500g (batteries included)

Accessories

Ordering Information:

- BST-ET104: 4 Wire Earth Resistance Tester & Resistivity Tester with USB Interface.

Safety Standard:
- EN 61010-1 CAT IV 300V, IEC 61557-1, IEC 61557-5, EN 61326-1

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BESANTEK Clamp-On Earth Resistance Tester is designed to measure the integrated value of ground resistance and resistance lead.

Features:

- Major technical breakthrough on ground resistance test, non-contact, safe and fast.
- Loop resistance measurement, no need to disconnect the ground wire from rods.
- RS232 interface for data uploading.
- It is fast, effcient and easy to use, saving you valuable time and effort.
- Reliable and stable.
- Alarm sound and light.
- Interference signal recognition.
- Accessories: Instruction manual, test ring, suitcase, CD software, RS232 data cable and batteries.

BST-ET18

Technical Specification:

BST-ET18	
Resistance Range	0.01~1200 Ω
Resistance Resolution	0.001Ω
Resistance Highest Accuracy	±1% ±0.01Ω
AC Current Leakage Range	0.00mA~30.0A
AC Current Leakage Resolution	0.05mA
Current Highest Accuracy	±2.5% ±1mA
Resistance Measurement Frequency	>1kHz
Measured Current Frequency	50Hz/60Hz
Alarm Threshold Setting Range	Resistance: 1Ω~199Ω Current: 1mA~499mA
Internal Consumption	<50mA
Auto Power-off	5 minutes after boot up
Data Memory	99 sets
Operating Temperature & Humidity	-10°C~55°C, 10%RH~90%RH
Storage Temperature & Humidity	-20°C~ 60°C, below 70%RH
LCD Screen	4 Digits LCD display, screen size: 47mm x 28.5mm
Clamp Size	65mm x 32mm
Power Source	1.5V AA alkaline battery x 4
Dimensions	285 x 90 x 66 mm (11 x 4 x 3 ")
Weight	1160g (battery included)

Accessories

Test Ring

Suitcase

RS232 Data Cable

CD Software

Batteries

Ordering Information:

- BST-ET18: Clamp-On Earth Resistance Tester (30A).

Safety Standard:

- EN 61010-1:2010, EN 61010-2-032:2012

Clamp-On Earth Resistance Tester (30A)

BESANTEK

BESANTEK Clamp-On Earth Resistance Tester is designed to measure the integrated value of ground resistance and resistance lead.

Features:

- Major technical breakthrough on ground resistance test, non-contact, safe and fast.
- Loop resistance measurement, no need to disconnect the ground wire from rods.
- RS232 interface for data uploading.
- It is fast, effcient and easy to use, saving you valuable time and effort.
- Reliable and stable.
- Alarm sound and light.
- Interference signal recognition.
- Accessories: Instruction manual, test ring, suitcase, CD software, RS232 data cable and batteries.

BST-ET19

Technical Specification:

BST-ET19	
Resistance Range	0.01~1200 Ω
Resistance Resolution	0.001Ω
Resistance Highest Accuracy	±1% ±0.01Ω
AC Current Leakage Range	0.00mA~30.0A
AC Current Leakage Resolution	0.05mA
Current Highest Accuracy	±2.5% ±1mA
Resistance Measurement Frequency	>1kHz
Measured Current Frequency	50Hz/60Hz
Alarm Threshold Setting Range	Resistance: 1Ω~199Ω Current: 1mA~499mA
Internal Consumption	<50mA
Auto Power-off	5 minutes after boot up
Data Memory	99 sets
Operating Temperature & Humidity	-10°C~55°C, 10%RH~90%RH
Storage Temperature & Humidity	-20°C~ 60°C, below 70%RH
LCD Screen	4 Digits LCD display, screen size: 47mm x 28.5mm
Clamp Size	Dia. 32mm
Power Source	1.5V AA alkaline battery x 4
Dimensions	260 x 90 x 66 mm (10 x 4 x 3 ")
Weight	1120g (battery included)

Accessories

Test Ring

Suitcase

RS232 Data Cable

CD Software

Batteries

Ordering Information:

- BST-ET19: Clamp-On Earth Resistance Tester (30A).

Safety Standard:

- EN 61010-1:2010, EN 61010-2-032:2012

BESANTEK Phase Sequence Indicator can test the motor rotation of 3-phase systems, and verify 3-phase receptacle wiring and phase sequencing with test leads.

Features:

- Phase sequence indication.
- Missing phase indication.
- 3-phase to phase voltage up to 700V.
- Built-in LCD.
- No battery required.
- Large size alligator clips for easy clipping.
- It can withstand impact of dropping from 2 meter height.
- Lightweight, robust and compact.
- Accessories: Instruction manual and carrying bag.

BST-PR11

Technical Specification:

BST-PR11	
Nominal Voltage	40V~700V AC
Frequency	15Hz~400Hz
Current Induction	1mA
Nominal Test Current	1mA
Operating Altitude	2000m
Pollution Protection Grade	2
IP Grade	IP65
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	0°C~50°C (32°F~122°F)
Dimensions	123 x 71 x 29 mm
Weight	160g

Ordering Information:

- BST-PR11: Phase Sequence Indicator.

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013, UL 61010-1:2012 (3rd), UL 61010-2-030:2012

BESANTEK Personal Safety Voltage Detector is designed to alert user that they are approaching live equipment where dangerous voltage is present.

Features:

- Warning proximity of AC voltage (240V~50kV).
- Waterproof.
- Easy-to-wear on body or belt.
- Ultra high bright LED indication.
- High pitch sound indication.
- Test & diagnostic circuitry.
- Friendly priority alert reporting.
- Circuit test function.
- High impact type casing.
- Different alerting sound & light.
- Can be adapted to sunrise (stick).
- Accessories: Instruction manual, battery, strap, strap connector, pocket and belt clip.

BST-HVD7

Technical Specification:

BST-HVD7	
Detection Voltage	240V~50kV
Applicable Frequency	50/60 Hz
Operating Temperature	-15°C to 55°C
Storage Temperature	-20°C to 65°C
Humidity	93%RH at 40°C
Power Source	9V battery x1
Dimensions	115 (L) x 67 (W) x 30 (H) mm
Weight	146g (battery included)

Ordering Information:

- BST-HVD7: Personal Safety Voltage Detector (240V~50kV).

Accessories

Safety Standard:

- EN 61326-1

Personal Safety Voltage Detector (110V~11.4kV)

BESANTEK Personal Safety Voltage Detector is designed to alert user that they are approaching live equipment where dangerous voltage is present.

Features:

- Compact, easy to wear and convenient to use.
- Waterproof and protection class: IP65.
- Indoor and outdoor use.
- Equipped with self-testing function.
- Sound and flashlight warning of different frequencies varied positively with sensed voltages.
- Able to sense all kinds of AC high voltage system.
- Low power consumption.
- Accessories: Instruction manual, elastic cord, hook, skid proof cushion, bracket and battery.

BST-HVD8

Technical Specification:

BST-HVD8	
Range	110V ~ 11.4kV
Distance of Starting Warning	80cm for 11.4kV (phase to ground)
Applicable Frequency	50/60 Hz
Volume	70dB or higher at 1m
Operating Temperature & Humidity	0 to 40 °C, 80%RH
Battery Life	50 hours for continuous use
Power Source	CR2032 x 1
Dimensions	59 (L) x 56 (W) x 18 (D) mm
Weight	Approx. 35g (battery included)

Accessories

Bracket (In front of the safety helmet)

Skidproof cushion (At the pocket of the shirt)

Hook x 3

Ordering Information:

- BST-HVD8: Personal Safety Voltage Detector (110V~11.4kV).

IP65 CE

Safety Standard:

- EN61326-1

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BESANTEK Corporation, CANADA

BESANTEK

Personal Safety Voltage Detector (110V~22.8kV)

BESANTEK Personal Safety Voltage Detector is designed to alert user that they are approaching live equipment where dangerous voltage is present.

Features:

- Compact, easy to wear and convenient to use.
- Waterproof and protection class: IP65.
- Usable both indoor and outdoor.
- Equipped with self-testing function.
- Able to sense all kinds of AC high voltage system.
- Sound and flashlight warning of different frequencies varied positively with sensed voltages.
- Low power consumption.
- Accessories: Instruction manual, elastic cord, elastic cord adjustment, connection ring, hooks and battery.

BST-HVD9

Technical Specification:

BST-HVD9	
Range	110V ~ 22.8kV
Distance of Starting Warning	85cm for 22.8kV (phase to ground)
Applicable Frequency	50/60 Hz
Volume	>70dB at 1m distance
Voltage Detection Distance	6.6 kV (3.8kV phase to ground): 40cm ± 20% 11.4 kV (6.6kV phase to ground): 55cm ± 20% 19.7kV (11.4kV phase to ground): 80cm ± 20% 22.8 kV (13.2kV phase to ground): 85cm ± 20%
Operating Temperature & Humidity	0 to 40 °C, 80%RH
Battery Life	50 hours for continuous use
Power Source	CR2032 x 1
Dimensions	61 (L) x 62 (W) x 18.5 (D) mm
Weight	Approx. 70g (battery included)

Accessories

3 hooks hold the elastic cord around the safety helmet

Ordering Information:

- BST-HVD9: Personal Safety Voltage Detector (110V~22.8kV).

IP65 CE

Safety Standard:

- EN 61326-1

High Volta ge

BESANTEK Safety Voltage Detector is designed to alert user that they are approaching live equipment where dangerous voltage is present. The safety voltage detector helps the user stay a safe distance away from live equipment. It therefore protects and safeguards users from approaching dangerous live high voltage equipment or cables. It's a new tool for checking the presence of AC high voltages and low voltages. The voltage detection is from 100Vac to 69kVac.

Features:

- AC voltage detection: 100Vac~69kVac.
- Frequency range: 50/60Hz.
- Non-contact detection by proximity.
- Personal sensor, easy to wear and convenient to use.
- Bright LED visual indication.
- Audible indication.
- Mute function.
- Easy-to-prove method.
- Self-test function.
- Can be attached with hot sticks by optional accessory.
- Lightweight, robust and compact.
- Easy access to batteries.
- Accessories: Instruction manual, elastic cord, strap, adaptors, soft pouch, batteries and carry case.

BST-HVD10

Technical Specification:

BST-HVD10	
AC Voltage Detection	100Vac~69kVac
Frequency Range	50/60 Hz
Sound Level	>99dB
Operating Temperature	0°C to 40°C
Operating Humidity	80%RH max.
Power Source	1.5V (AA) alkaline battery × 3
Dimensions	133 (L) x 77 (W) x 52 (D) mm
Weight	Approx. 220g

Accessories

Ordering Information:

- BST-HVD10: Safety Voltage Detector (100V~69kV).

Safety Standard:

- EN 61326-1

BESANTEK Non-Contact High Voltage Detector is a convenient and safety it capable to measure both low and high voltage up to 132kV.

Features:

- 2 ranges for selection:
  - Low: 50V~1.5kV AC.
  - High: 1.5kV~132kV AC.
- Nice mechanical slide switch for function selection: high/off/low.
- Bright LED and audible alarm sound when voltage is present.
- Light weight, robust and compact.
- Efficient and easy to use.
- Users have to use the hot stick when test high voltages between 1.5kV~132kV.
- Accessories: Instruction manual, battery and carry case.

BST-HVD18

Technical Specification:

BST-HVD18	
Detection Voltage	Low: 50V~1.5kV AC High: 1.5kV~132kV AC
Power Consumption	Off: 0μA Low voltage detection mode: less than 20mA High voltage detection mode: less than 20mA
Duty Cycle	Continuous
Response Time	Instantaneous
Operating Temperature	0°C~50°C
Power Source	9V battery x 1
Dimensions	245 (L) x 80 (W) x 37 (D) mm
Weight	Approx. 175g (battery included)

Ordering Information:

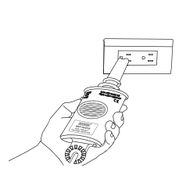
- BST-HVD18: Non-Contact High Voltage Detector.

Safety Standard:

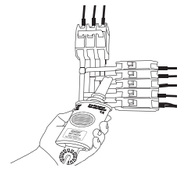
- EN 61326-1, EN 61000-4-2, EN 61000-4-3

Applications

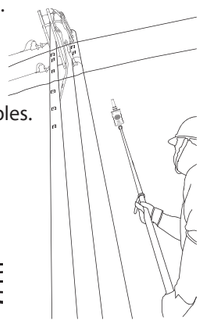
- Non-contact detection of live voltages.
- Trace live wires.
- Find faults in cables.
- Check high frequency radiation.
- Check and detect live high voltage cables.
- Check grounding equipment.
- Detect residual or induced voltages.



Finding a breaker



Voltage detection for a wall outlet



Voltage detection for a line

Accessories

Carry Case

BESANTEK Non-Contact High Voltage Detector is designed to detect the presence of high voltage without physical contact.

Features:

- 8 voltage settings: 240V, 4.2kV, 35kV, 69kV, 115kV, 230kV, 345kV and 500kV.
- Protection class: IP65.
- 3 LED indicators in a circle for easier viewing in any directions (360° LED indication).
- High bright LED visual indication.
- Sound indication.
- Easy-to-prove method.
- Self-test function.
- High impact nylon casing.
- Non-contact work by proximity.
- Compatible with most hot sticks.
- Lightweight, robust & compact.
- Suitable for indoor and outdoor use.
- Easy access to batteries.
- Accessories: Instruction manual, disconnect hook, fuse extractor head, batteries and carry case.

BST-HVD21

Technical Specification:

BST-HVD21	
Voltage Settings	240V, 4.2kV, 35kV, 69kV, 115kV, 230kV, 345kV and 500kV
Operating Temperature	-10 to 50 °C
Storage Temperature	-20 to 60 °C
Humidity	85%RH at 40°C
Power Source	1.5V "C" x 3 Alkaline batteries
Case Height	265mm
Case Width	117mm
Weight	Approx. 600g (battery included)

Applications

- Non-contact detection of live voltages.
- Trace live wires.
- Find faults in cables.
- Check high frequency radiation.
- Check and detect live high voltage cables.
- Check grounding equipment.
- Detect residual or induced voltages.

Accessories

Ordering Information:

- BST-HVD21: Non-Contact High Voltage Detector (500kV).

Safety Standard:

- EN 61326-1 CISPR11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-8

BESANTEK Non-Contact High Voltage Detector is designed to detect the presence of high voltage without physical contact.

Features:

- 8 voltage settings: 240V, 2kV, 6kV, 11kV, 22kV, 33kV, 132kV and 275kV.
- Protection class: IP65.
- 3 LED indicators in a circle for easier viewing in any directions (360° LED indication).
- High bright LED visual indication.
- Sound indication.
- Easy-to-prove method.
- Self-test function.
- High impact nylon casing.
- Non-contact work by proximity.
- Compatible with most hot sticks.
- Lightweight, robust & compact.
- Suitable for indoor and outdoor use.
- Easy access to batteries.
- Accessories: Instruction manual, disconnect hook, fuse extractor head, batteries and carry case.

BST-HVD22

Technical Specification:

BST-HVD22	
Voltage Settings	240V, 2kV, 6kV, 11kV, 22kV, 33kV,132kV and 275kV
Operating Temperature	-10 to 50 °C
Storage Temperature	-20 to 60 °C
Humidity	85%RH at 40°C
Power Source	1.5V "C" x 3 Alkaline batteries
Case Height	265mm
Case Width	117mm
Weight	Approx. 600g (battery included)

Applications

- Non-contact detection of live voltages.
- Trace live wires.
- Find faults in cables.
- Check high frequency radiation.
- Check and detect live high voltage cables.
- Check grounding equipment.
- Detect residual or induced voltages.

Accessories

Ordering Information:

- BST-HVD22: Non-Contact High Voltage Detector (275kV).

Safety Standard:

- EN 61326-1 CISPR11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-8

BESANTEK Hot Stick is designed to be used for the extraction of house service fuses, it can be used for disconnecting dropout fuses, isolators & fuse switch disconnection.

Features:

- The hot sticks can be attached to the high voltage proximity detectors, these sticks are also the perfect companion for our contact capacitor detectors.
- Our hot sticks can be used for many other applications, for example on overhead power lines or any application which requires insulating sticks made of high quality fiber glass to protect and insulate users from high voltages.
- A wide variety of specialized fittings and tools are available to fit the 'sunrise' head attachment.
- The head section is rated at 100kV per 300 mm, it is made of orange, high quality fiber glass, super polished and tested to IEC60855.
- Comes complete with sunrise fitting and fuse extractor.
- 1.2 meter head section complete with universal sunrise fitting.
- Accessories: Instruction manual, fuse extractor head and disconnect hook (optional).

Accessories

BST-HVD12A
Disconnect Hook (Optional)

Fuse Extractor Head

Ordering Information:

- BST-HVD12: Hot Stick.
- BST-HVD12A: Disconnect Hook.

BST-HVD12

Universal Sunrise Fitting Head

Attached to the High Voltage Proximity Detectors and Contact Capacitive Detectors

Safety Standard:
- IEC 60855

BESANTEK Telescopic Hot Stick provides maximum flexibility and access electrical systems from a safe working distance. Select from seven different models that cover up to forty feet. The high grade fiberglass construction.

Features:

- Triangular-shaped design keeps the sections aligned during extension and retraction.
- Push button release for stick extension and retraction.
- Telescopic design allows for easy assembly, storage and transportation.
- Withstands voltage rating of 100kV from 30cm for 5 minutes.
- Universal end fitting accepts a wide variety of standard attachments.
- Highly visible yellow tip section.
- Easy-to-replace sections.
- Carrying bag included.
- Optional integrated height measurement scale.
- Accessories: Instruction manual, carrying bag, disconnect hook and fuse extractor head (optional).

Applications:

- Voltage detection.
- Opening and closing switches.
- Overhead switch operation.
- Fuse replacement.
- Lamp replacement.
- Cleaning electrical fittings.
- Installation of temporary clamps.
- Tree trimming.

Accessories

Disconnect Hook

BST-HVD12B
Fuse Extractor Head (Optional)

Carrying Bag

BST-HVD20-Series

Technical Specification:

BST-HVD20-Series							
Model	BST-HVD20-3	BST-HVD20-4	BST-HVD20-5	BST-HVD20-6	BST-HVD20-7	BST-HVD20-8	BST-HVD20-9
Sections	3	4	5	6	7	8	9
Extended Length (m)	3.82	5.10	6.42	7.78	9.18	10.62	12.09
Retracted Length (m)	1.48	1.53	1.58	1.63	1.68	1.73	1.78
Stick Width (mm)	37.8	41.8	45.3	49.5	53	57.5	61.5
Weight (kg)	1.85	2.40	3.10	3.85	4.70	5.90	6.90

Ordering Information:

- BST-HVD20-Series: Telescopic Hot Stick.
- BST-HVD12B: Fuse Extractor Head.

Safety Standard:
- IEC 62193

BESANTEK Professional Ground Fault Locator is designed to deal with current leakage DC system of high resistance below 1MΩ. It pinpoints faulty grounding where electrical line have breakage and current lost to the ground. It gives excellent solutions for troubleshooting and preventative maintenance.

Features:

- Fast location for ground fault in different DC systems.
- Strong anti interference when system is working online.
- Innovative dual range current detector with direction sensitivity.
- Multi-way for location: current direction, signal strength & phase angle.
- Patented technology, pinpoint current leakage fault with grounding resistance lower than 1MΩ.
- Innovative dual-clamp for signal receiver, each clamp has two sizes of opening jaw for different conductors.
- One pair of clamps working together, effective cancel interference from DC system itself.
- Precise current direction (positive or reversed) indicating for leaking current help fast locate the faulty grounding.
- Adjustable output frequency on signal receiver effectively avoids interference from DC system itself.
- Signal receiver can set reference in different points for signal comparison, very fast for fault orientation.
- Digital signal processing technology for detecting grounding resistance and capacitor resistance.
- With built-in band pass filter to bypass different interference signals in the ambient environment.
- No disconnection of the electrical installation, ground fault location is carried out during operation.
- Frequency spectrum analysis can test ambient frequencies, helps select the right frequency for the right DC system.
- Signal-generator with adjustable output voltage (24V ~ 1000V) and output frequency (1~325 Hz) for different DC systems.
- Multi-ways to indicate ground fault: sensitive current direction, phase angle, comparison of signal strength.
- Accessories: Instruction manual, functional signal receiver and dual-clamp with 2 conductor sizes.

BST-GFL31

Technical Specification:

BST-GFL31	
Output Voltage	24V, 48V, 110V, 220V, 500V and 1000V
Output Frequency	10Hz (1Hz, 50Hz, 60Hz & 325Hz as option)
Output Current Limitation	5mA & no limit (max. 30mA)
Fault Location Sensitivity	≤ 1MΩ
Current Detect Sensitivity of AC/DC Circuit	≥ 0.5mA
Current Sensor	φ8 and φ20, two clamps with dual-range
Display	Signal generator: 320 x 240 pixel 3.5" LCD screen Signal receiver: 240 x 320 pixel 3.5" LCD touch screen
Memory	16MB
Operating Temperature	-10 to 55 °C
Power Consumption	≥ 4 hours
Power Source	Signal generator: 3500mAh/14.4V rechargeable Li-ion battery Charger input: AC220V/110V, output: DC16.8V/2A Signal receiver: 2400mAh/8.4V rechargeable Li-ion battery Charger input: AC220V/110V, output: DC8.4V300mA
Dimensions	420 (L) x 340 (W) x 14 (H) mm
Weight	7.0kg

Accessories

Functional Signal Receiver

Dual-Clamp with 2 Conductor Sizes

Ordering Information:

- BST-GFL31: Professional Ground Fault Locator Kit.

BESANTEK automatic mapping water detector is based on the Earth's electromagnetic field as the field source to find groundwater resources by scientific method. The geological structure are displayed in real-time through multiple curves. Automatic mapping geological profile by one key operate easily, get rid of complicated computer graphics.The site can quickly understand the geological structure through the automatic mapping curve and profile, and analyze specific information such as aquifers, fractures, faults, and caves. The instrument is widely used in the rapid analysis of geological structure changes in different terrains such as plains, hills, mountains, plateaus, and basins to determine well locations, aquifers, and aquifer depth.

Features:

- Be suitable for plain, hill, mountain land, highland, basin all kinds of geologic structure application.
- Automatic mapping in the instrument, get drilling position and depth result at site.
- Professional user group offers 24 hours after sale service.
- The average accuracy of more than 90% from user's feedback.
- Four languages including English/Spanish/French/Arabic are optional.
- It is widely used for drinking water, agricultural irrigation water detection.
- Non-professionals can learn the operation way in 5 minutes.
- Only 1-2 people can operate.
- Accessories: Host machine, alloy electrode, copper electrode, cable, Belt and carrying case.

BST-WD150

Technical Specification:

BST-WD150	
Depth	150 meter
Frequency Range	Single, Triple, 33frequency
Channel	4
Units of Measurement	△Vs(mV)
LCD	7-inch HD Digital Color LCD Touch Screen
Measurement Range	0mV —1000mV
Stand-by Time	8-10 Hours
Power Source	Battery Model #26650; 3.7V 40000mAh Recharge Li-ion Battery

Ordering Information:

- BST-WD150: Automatic Mapping Water Detector.

Safety Standard:

- IEC 61000-6-3:2006+A1:2010, IEC 61000-6-1:2016, IEC 61000-3-2:2014, IEC 61000-3-3:2013

BESANTEK Pipe Water Leak Detector is high performance leak detector and has powerful anti-jamming and data processing capabilities.

Features:

- The use of latest digital signal processing chip and a digital filter chip, 16M cache integrated controller is more responsive. In particular, it can filter with the interference of environmental noise, screening out the leakage noise, allowing the operator to lock leakage points quickly.
- 7-inch high-definition digital color LCD touch screen with a resolution of 800 x 480, provide 8 display pages, can show the measurement parameters more clearly and intuitively design for simple operation.
- 1~5000 Hz frequency range (spectrum analysis), can be displayed the distribution of the noise signal at each frequency in real time.
- Automatic drawing continuous noise curve (point of measurement) within a certain time, so that the leakage point position is determined more quickly.
- Sensor is built-in preamp circuit, using a rubber ring seal and cushion, and the application of professional acoustic methods, making the ability to capture the noise is higher than similar products.
- Adopt latest noise detecting element, sounds clear.
- The number and time of recordings is unlimited, which is not lost after shut down, could be analyzed at any time.
- Using a large capacity battery, can work for more than ten hours, and can be removed charging and online charging.
- Super anti-jamming circuit design, digital signal and analog signal effectively isolate and eliminate the noise generated by the digital circuit.
- Accessories: Instruction manual, headset, connecting line, connector, sensor, listening rod, charger and carrying case.

BST-WLD02+

Technical Specification:

BST-WLD02+	
Depth	2 meter
Frequency Range	1-5000 Hz
Audio Amplifier Gain	Adjustable within the class of 100
Operation Mode	Spectral analysis fiter analysis fine mode point measurement
LCD	7-inch HD digital color LCD touch screen
Record	The number and time of recordings is unlimited, not lost after shut down
Stand-by Time	10 hours
Power Source	3.7V 40000mAh recharge Li-ion battery

Accessories

Sensor

Headset

Connector

Listening Rod

Ordering Information:

- BST-WLD02+: Pipe Water Leak Detector.

Safety Standard:

- IEC 61000-6-3:2006+A1:2010, IEC 61000-6-1:2016, IEC 61000-3-2:2014, IEC 61000-3-3:2013

BESANTEK Milliohm Meter is a battery powered Millliom Meter that measures low values of resistance and is suitable for measuring resistances of switches, contacts, motors and displays. It comes supplied in a compact and durable watertight casing for extra protection.

Features:

- Microprocessor controlled.
- Four terminal measurement.
- Measures down to 100μΩ.
- 5 Ranges from 200.0mΩ to 2000Ω.
- Maximum resolution of 100μΩ.
- Three test currents with over-temperature protection.
- Protection against inadvertent connection to over voltage.
- Potential lead resistance and current lead resistance checks.
- "Full-featured" EnerSave™ inside.
- EnerSave™ Auto-hold.
- EnerSave™ Auto-off.
- Large LCD.
- Lightweight, robust and compact.
- Indicators show if reading may be invalid (Rp, Rc and temperature).
- "O-Ring" sealed case.
- Accessories: Instruction manual, test leads, shoulder belt and batteries.

BST-MGR10

Technical Specification:

BST-MGR10	
Measuring Ranges	0 - 200.0mΩ in steps of 100μΩ 0 - 2000mΩ in steps of 1mΩ 0 - 20.00Ω in steps of 10mΩ 0 - 200.0Ω in steps of 100mΩ 0 - 2000Ω in steps of 1Ω
Accuracy	±0.5% of reading ±2 digits over the operating temperature range, -15 to 55 °C, with the supplied test leads
Test Current	1mA ≥ 2000Ω range 10mA ≥ 200Ω/20Ω ranges 100mA ≥ 2000mΩ/200mΩ ranges
Test Current Accuracy	±0.1%
Protection Fuses	Mains = 0.5A, HBC, 5 x 20mm, DIN Current = 0.5A, HBC, 5 x 20mm, DIN Voltage = 0.5A, HBC, 5 x 20mm, DIN
Max. Output Voltage (C1~C2)	20V
Power Source	1.5V AA x 8
Dimensions	250 (L) x 190 (W) x 110 (D) mm
Weight	1500g

Accessories

Test Leads

Shoulder Belt

Ordering Information:

- BST-MGR10: Milliohm Meter.

Safety Standard:

- EN 61010-1 CAT IV 20V, EN 61326-1

BESANTEK Digital Low Resistance Ohm Meter is a “Full Feature Professional Instrument”. The rugged and "O-Ring" sealed digital low resistance ohm and contact meter is specially designed to measure very low resistance accurately.

Features:

- Microprocessor controlled.
- Measure down to 1μΩ.
- 6 ranges from 2.000mΩ to 200.0Ω.
- Maximum resolution of 1μΩ.
- Three test currents with over-temperature protection.
- Four terminal measurement.
- Protection against inadvertent connection to over-voltage (crow bars for current and voltage).
- Clear and large LCD.
- Potential lead resistance and current lead resistance checks.
- "Full-featured” EnerSave™ inside.
- EnerSave™ Auto-hold.
- EnerSave™ Auto-off.
- Rechargeable battery operated.
- Robust and compact.
- Indicators show if reading may be invalid (RP, RC and temperature).
- "O-Ring” sealed case.
- Accessories: Instruction manual, test leads and charger.

BST-MGR01

Technical Specification:

BST-MGR01	
Low Resistance Ranges/Resolution	0 - 2.000mΩ/1μΩ 0 - 20.00mΩ/10μΩ 0 - 200.0mΩ/100μΩ 0 - 2.000Ω/1mΩ 0 - 20.00Ω/10mΩ 0 - 200.0Ω/100mΩ
Accuracy	0 - 2.000mΩ: ±(5%rdg + 5dgt) 0 - 20.00mΩ: ±(4%rdg + 4dgt) 0 - 200.0mΩ: ±(4%rdg + 4dgt) 0 - 2.000Ω: ±(3%rdg + 4dgt) 0 - 20.00Ω: ±(2%rdg + 4dgt) 0 - 200.0Ω: ±(2%rdg + 4dgt)
Test Current	2.000mΩ to 200.0mΩ: 1A ±3% 200.0mΩ to 20.0Ω: 100mA ±2% 200.0Ω: 10mA ±1.5%
Max. Output Voltage (C1 ~ C2)	10V
Power Source	Rechargeable battery
Dimensions	330 (L) x 260 (W) x 160 (D) mm
Weight	Approx. 3200g (battery included)

Accessories

Ordering Information:

- BST-MGR01: Digital Low Resistance Ohm Meter.

Safety Standard:
- EN 61010-1, EN 61326-1

BESANTEK Digital RCD Tester used to check RCD's (ELCB's), the RCD trip time can be easily measured at the power outlet.

Features:

- Microprocessor controlled.
- Extra large LCD (78 × 67 mm).
- Very low consumption.
- 50Hz and 60Hz operation.
- Accurate digital readout of disconnection time.
- Over temperature protection.
- Over voltage protection.
- Fuse protection.
- Zero crossing circuitry permit testing at 0° or 180°.
- Auto power off.
- Wiring polarity indicator.
- Measure voltage between Line and Earth before testing.
- Accessories: Instruction manual, test leads, carry case, batteries and hand strap.

BST-ELC06

Technical Specification:

BST-ELC06	
Operating Voltage (L-E) (50Hz or 60 Hz)	Version A: 240Vac Version B: 230Vac Version C: 220Vac Version D: 110Vac
Current Settings	3mA/5mA/10mA/15mA/20mA/30mA/50mA/ 100mA/150mA/250mA/300mA/500mA
Current Selection	Rotary switch selector
Phase Angle Setting	0° and 180° selectable
Wiring Correctness Indication	Yes (LEDs)
Trip Indicator	Yes (LCD)
Voltmeter (L-E)	10Vac ~ 280Vac (50Hz or 60Hz)
Timer Resolution	1ms (max. time= 2.999s)
Timer Accuracy	±2ms
Current Accuracy	±5% ±1mA
Voltmeter Resolution	1Vac
Voltmeter Accuracy	±2% ±1Vac
Operating Temperature	0°C ~ 40°C
Storage Temperature	-10°C ~ 50°C
Power Source	1.5V (AA) × 6 (Alkaline battery)
Dimensions	221 (L) × 110 (W) × 57 (D) mm
Weight	Approx. 695g (battery included)

Accessories

Test Leads

With a hand strap for easier holding

Ordering Information:

- BST-ELC06: Digital RCD Tester.

Safety Standard:
- EN 61010-1 CAT III 300V, EN 61326-1

BESANTEK ELCB Tester is combined with 3 phase presence and rotation indicator combined with a 3 phase industrial earth leakage tester. ELCB represents the quickest and easiest way for servicing, repairing and electrical maintenance of 3 phase system with earth leakage.

Features:

- Microprocessor controlled.
- Indicates phase rotation.
- Indicates phase presence.
- Indicates battery status.
- Test for disconnection sensitivity.
- Test for disconnection time.
- Measure voltage phase to earth.
- Select one of 3 Phase to test ELCB.
- Phase presence indication from as low as 100Vac.
- Very low consumption.
- Fused earth leakage tester.
- ELCB works 50Vac to 330Vac 50/60Hz.
- Led indication of voltage on ELCB.
- Phase rotation and presence does not require battery indicate.
- Accessories: Instruction manual, test leads and batteries.

BST-ELC01

Accessories

Technical Specification:

BST-ELC01		
Determination of the Phase Presence	Nominal voltage for phase presence indication (the voltage required for the neon lamps L1, L2, L3 to lit up)	100Vac to 450Vac
	Frequency Range	10Hz to 400Hz
Determination of the Phases Rotary Field Direction	Direction (the voltage required to have the direction LEDs L1-L2-L3 or L2-L1-L3 to indicates)	100Vac to 450Vac
	Frequency Range	2Hz to 400Hz
Protection	Over Load	550V (between all terminals)
	Over Voltage	Class III-450V towards ground
Earth Leakage	Current Settings	999mA ac/50Hz-60Hz
	Current Selection	Knob
	Phase Start Selection	0° and 180°
	Over-Temperature Protection	√
	Phase Polarity Trip Indicator	√
	Operating Voltage (L-E)	220Vac to 317Vac
	Timer Accuracy	1ms ± 4ms
	Timer Resolution	1ms (max. time = 99.99s)
	Current Accuracy	±3% ±4mA
	Current Resolution	1mA
	Voltmeter Accuracy (50Hz)	50-350Vac = ±3%±2V 350-550Vac = ±7%±3V
	Voltmeter Resolution	1V
Operating Temperature	0°C to 40°C	
Storage Temperature	-10°C to 50°C	
Power Source	1.5V "C" × 8	
Dimensions	330 (L) × 260 (W) × 160 (D) mm	
Weight	Approx. 3850g (batteries included)	

Ordering Information:

- BST-ELC01: ELCB Tester.

Safety Standard:

- EN 61010-1 CAT III 550V, EN 61326-1

BESANTEK Battery Tester can measure rechargeable battery resistance and DC voltage on Line. Resistance measure signal used 1kHz Ac frequency. Test lead used 4-wire measurement method can reduce contact resistance and lead resistance, measuring secondary batteries including Ni-cd, Ni-MH and Li-ion.

Features:

- 2000 counts LCD.
- DC Voltage measurement.
- 4-wire resistance measurement.
- Data hold function.
- Low battery warning indicator.
- 9V DC power supply.
- Measure battery types: Li-ion, Ni-Cd and Ni-MH.
- Simple operation.
- Lead resistance and contact resistance eliminated.
- Accessories: Instruction manual, test leads and battery.

BST-BT01

Technical Specification:

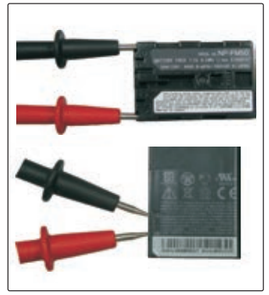
BST-BT01	
DC Voltage	Range: 2V/20V/100V Resolution: 1mV/10mV/100mV Accuracy: ± (1%rdg+1dgt)
Resistance	Range: 200mΩ/2000mΩ/20Ω Resolution: 0.1mΩ/1mΩ/10mΩ Accuracy: ± (3%rdg+3dgt)
Low Battery Indication	" " sign appears on the display when the battery voltage drops below accurate operating level
Power Source	9V battery x 1
Dimensions	192 (L) x 88.6 (W) x 45.2 (D) mm
Weight	Approx. 360g (battery included)

Ordering Information:

- BST-BT01: Battery Tester.

Safety Standard:

- EN 61010-1 CAT I 100V, EN 61326-1



Li-ion Battery Measurement

Ni-MH Battery Measurement

Accessories

Test Leads

The BST-BT02 Battery Analyzer is very effective and economical battery management device for testing battery internal resistance (or conductance) and voltage. It helps you eliminate weak batteries to ensure performance of your battery systems.
It is capable for accurate measurement of Valve Regulated Lead Acid (VRLA), Vented Lead Acid (VLA) batteries and Ni-cd batteries which are the main composition of standby critical power systems. This Battery Analyzer is widely applied for service providers, operations and maintenance teams for battery management and measurement to ensure power integrity in telecom networks, data center, power utility, forklift maintenance and so on.

BST-BT02

Features:

- Two units in one, smart switch to measure both internal r e sistance and conductance of batteries.
- Wide test range up to 6000Ah for Lead-Acid or Nickel-Cadmium single battery which is up to 16V.
- Field proven accurate and repeatable measurement to identify battery health.
- Very fast and consistent measurement of battery or multiple batteries (with setting once) in seconds.
- It adopts advanced measurement way of AC signal discharge to test internal resistance or conductance.
- User friendly TFT touch screen and key pad as alternative operation.
- Big memory for measurement data storage of more than 100,000 cells.
- Universal micro USB for data exportation and also tester charge.
- Functional PC battery management software for recording of full battery info and easy report print out.
- Battery pack is durable in the eld with testing time of 8-12 hours.

Battery Analyzer

Application Compatibility:

- Telecom & communication power.
- Uninterrupted Power Supplies (UPS).
- Utility transmission and distribution systems.
- Data, healthcare, education or financial.
- Forklift battery maintenance.
- Refinery, mining and offshore platform.

Technical Specification:

BST-BT02	
Applications	Test single Lead-Acid or Nickel-Cadmium cell or battery string (one by one after setting once). Cell types supported: 1.2V, 2V, 6V, 12V and other customized types up to 6000Ah.
Voltage	0.000V—25V DC
Resistance	0.001mΩ--100mΩ
Conductance	100 - 19,990 Siemens
Test Data Storage	100,000 cells stored internally, unlimited with USB drive exportation
Accuracy	Resistance/Conductance: 1% V oltage: 0.15%
Voltmeter Resolution	1mV
Power supply	Li-ion battery (4000mAh), 8~12hours working time after full charge
Display	272 x 480 pixel, 4.3" TFT Touch Screen LCD
Data Transfer	USB viamicro USB cable
Operation Environment	0~40°C, 90% relative humidity, non-condensing
Storage Temperature	-20~50°C
Over Voltage Protection	· Auto-reset disconnect · Reverse polarity protected
User Programmable Functions	· Customized battery types · Low voltage alarm setting · High resistance alarm setting · Testmode (push button/touch screen/auto start)
HousingMaterial	Acid resistant ABS plastic santoprene overmold
Tester Dimensions	L 186 x W98 x H40 mm
Analyzer Weight	0.45K G
Shipping Weight	Approximately 3.5Kg
Accessories	Analyzer, Pin Probe, Testing Clamp, Functional battery management PC software, Battery pack, and Universal micro USB, Case.

Ordering Information:

- BST-BT02: Battery Analyzer

Safety standard:
- EN 61010-1: 2010

BESANTEK Digital Loop/PSC Tester is a handheld microprocessor controlled, which includes 3 loop impedance measuring ranges capable of measurements from any point in the installation for comprehensive testing of distribution systems.

Features:

- Batteries not required.
- 3 ½ digit LCD (2000-count).
- Backlight function.
- 15mA loop measurement which will not trip ELCBs.
- Convenient and easy direct measurement of loop impedance without bypassing the wires.
- Wiring check function.
- Over temperature protection.
- Over voltage protection.
- Built-in voltmeter.
- Built-in earth tester.
- Built-in loop/PSC tester.
- Accessories: Instruction manual, test leads, hand strap and carry case.

BST-LT05

Technical Specification:

BST-LT05				
Loop Impedance	Range	20Ω	200Ω	2000Ω
	Measuring range	0.00~19.99Ω	0.0~199.9Ω	0~1999Ω
	Nominal test current at 0Ω external loop	23A/40ms	2.3A/40ms	15mA/400ms
	Accuracy	±(2%rdg+4dgt)		
Prospective Short-Circuit Current	Range	20kA	2000A	200A
	Measuring range	0.00~4.00kA	0~1999A	0.0~199.9A
	Nominal test current at 0Ω external loop	23A/40ms	2.3A/40ms	2.3A/40ms
	Accuracy	Consider accuracy of loop impedance		
Voltage Display	Measuring range	150V~260V		
	Accuracy	±(2%rdg+4dgt)		
	Remark	At 0Ω external loop		
System Voltage	230V (+13%/-15%)			
System Frequency	50Hz			
None Battery System Voltage	150V~260V			
Wiring Check	P-E	LEDs illuminate when the wiring polarity of circuit under test is correct		
	P-N			
	N-E	LED illuminates when P and N are reversed or Earth is not connected		
15mA Loop Measurement	2000Ω range loop impedance measurement is carried out with low test current (15mA) which will not trip ELCBs			
Operating Temperature & Humidity	0°C to 40°C, 80% max. RH			
Dimensions	221 (L) × 110 (W) × 57 (D) mm			
Weight	Approx. 650g			

Accessories

Test Leads

With a hand strap for easier holding

Ordering Information:

- BST-LT05: Digital Loop/PSC Tester.

Safety Standard:

- EN 61010-1 CAT III 300V, EN 61326-1

BESANTEK Audio Impedance Tester is designed for true measurement of speaker system actual impedance at 1kHz.

Features:

- Large LCD: 68 x 34mm (2.677'' x 1.338'').
- True measurement of speaker systems actual impedance at 1kHz.
- Three test ranges allow testing of home theater and commercial sound systems.
- Measures transformer impedances.
- Battery operation.
- Low battery warning indicator.
- Data hold function.
- 0Ω adjustment.
- Accessories: Instruction manual, test leads, soft pouch and batteries.

BST-AIT01

Technical Specification:

BST-AIT01	
Measuring Ranges	0~20Ω/0~200Ω/0~2kΩ
Test Frequency	1kHz
Accuracy	20Ω: ±2%rdg±2dgt or ±0.1Ω, which is greater 200Ω/2kΩ: ±2%rdg±2dgt
Low Battery Indication	"▭+" symbol appears on the display
Data Hold Indication	"HOLD" symbol appears on the display
Display	LCD 3½ digit (2000 counts)
Power Source	1.5V (AA) x 8
Dimensions	175 (L) x 85 (W) x 75 (D) mm
Weight	Approx. 620g (battery included)

Accessories

Ordering Information:

- BST-AIT01: Audio Impedance Tester.

Safety Standard:

- EN 61010-1 CAT III 200V, EN 61326-1

BESANTEK GFCI Socket Tester used to confirm the proper wiring of US standard electrical outlets/sockets/receptacles and those wired with ground fault circuit interrupter (GFCI) in residential & industrial settings.

Features:

- Fast and easy wiring check.
- Easy to read light indication.
- Confirm the correct wiring of AC socket.
- Test GFCI for correct wiring & operation.
- Detect 5 wiring faults.
- GFCI circuit trips to confirm the tester is working.
- The testing current for GFCI is about 8mA.

BST-ET13

Technical Specification:

BST-ET13	
Voltage	125V
System Voltage Frequency	50/60 Hz
Case Material	ABS
Dimensions	87 (L) x 48 (W) x 31 (D) mm
Weight	Approx. 40g

Wiring Check Table:

Condition

○	●	●	CORRECT WIRING
○	●	○	OPEN GROUND
○	○	●	OPEN NEUTRAL
○	○	○	OPEN HOT
●	○	●	HOT & GROUND REVERSE
●	●	○	HOT & NEUTRAL REVERSE

Ordering Information:

- BST-ET13: GFCI Socket Tester.

Safety Standard:

- UL1436 CAN/CSA C22.2 NO.160-M1985

BESANTEK Circuit Breaker Finder with GFCI, it automatically indicates the right breaker and with the help of the GFCI tester, the wiring can also be verified if it's correctly wired or if it isn't, it will indicate which of the 5 fault condition exists in the system. Suitable for house, office, factory power network reconstruction, etc.

Features:

- Quick and accurate detection of circuit breaker locations.
- GFCI socket testing.
- Sensitivity control suitable for various signal strengths.
- Audio and visual indicators through LEDs and buzzer.
- Low battery warning indicator.
- NCV test.
- It can withstand impact of dropping from 2 meter height.
- Lightweight, robust and compact.
- Accessories: Instruction manual and battery.

BST-CBF02

Technical Specification:

BST-CBF02	
Operating Voltage	90~120V AC
Working Frequency	47Hz~63Hz
GFCI Test	About 6mA, Open Ground, Open Neutral, Open Hot
Indications	Hot/NEU reverse, Hot /GND Reverse, GFCI testing in progress, Hot on NEU with hot open, Correct
NCV Working Voltage	80V
Operating Altitude	7000feet (2000m) maximum
Operating Temperature & Humidity	5°C~40°C (41°F~104°F), at most 80% at temp. of 31°C to 50% at temp. of 40°C
Storage Temperature & Humidity	-20°C~60°C (-4°F~140°F), <80%
Power Source	Receiver: 9V battery
Dimensions	Receiver: 192 x 54 x 28 mm Transmitter: 103 x 56 x 30mm
Weight	Receiver: 133g Transmitter: 80g

Ordering Information:

- BST-CBF02: Circuit Breaker Finder with GFCI.

Safety Standard:

- UL 61010-1:2012 (3rd)

BESANTEK Resistor Calibration Boxes is used to verify and proof any high voltage insulation testers. It can be utilized to calibrate all high voltage insulation testers very accurately analog & digital.

BST-CAL01

BST-CAL03

BST-CAL04

Technical Specification:

BST-CAL01/BST-CAL03/BST-CAL04	
Resistance Ranges (Ω)	BST-CAL01: 1M/2M/7M/10M/20M/30M/50M/100M/200M/500M/1G/2G/5G/10G/20G/50G/100G/200G/500G BST-CAL03: 1M/10M/100M/1G/5G/10G/100G/500G BST-CAL04: 1M/10M/100M/1G/5G/10G/100G/1T
Resistance Tolerances	±1% (F)
Tolerance	±25ppm/°C: 1MΩ/2MΩ/7MΩ/10MΩ/20MΩ/30MΩ/50MΩ/100MΩ/200MΩ/500MΩ ±100ppm/°C: 1GΩ/2GΩ ±200ppm/°C: 5GΩ/10GΩ/20GΩ/50GΩ/100GΩ ±400ppm/°C: 200GΩ/500GΩ ±1000ppm/°C: 1TΩ
Max. Working Voltage	10kV DC
Operating Temperature	-30°C~75°C
Power Coefficient	Below 3W
Connecting Terminals	Binding post : resistance circuit and guard
Dimensions	430(L) × 324(W) × 127(D)mm
Weight	BST-CAL01: approx. 5200g BST-CAL03: approx. 4140g BST-CAL04: approx. 4140g

Ordering Information:

- BST-CAL01: Resistor Calibration Box.
- BST-CAL03: Resistor Calibration Box.
- BST-CAL04: Resistor Calibration Box.

Safety Standard:

- EN 61010-1 CAT III 1000V DC

BESANTEK Test Box is functional checking for RCD testers, loop testers and insulation/continuity testers.

Features:

- Wide range of operating voltage from AC 210V/50Hz to 250V/50Hz.
- Checks AC voltage.
- Checks RCD tester's test current & time in mA (ms).
- Checks loop testers.
- Checks wiring (Phase, Neutral, Earth).
- Checks continuity.
- Checks insulation (1.2kV maximum).
- Checks UK16th edition.
- Accessories: Instruction manual, carry case, power cord and plug (Euro, US, UK).

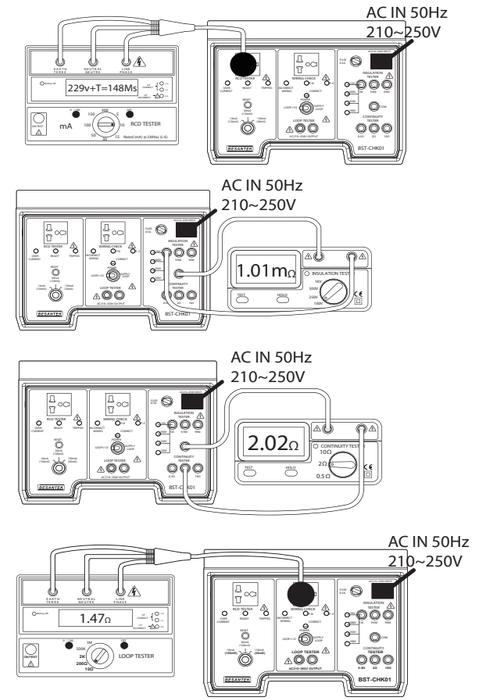
BST-CHK01

Technical Specification:

BST-CHK01	
RCD Testing	Range: 10mA at 150ms 30mA at 150ms 150mA at 30ms
Insulation Testing	Range: 1MΩ/9.9MΩ/99MΩ Accuracy: ±1% Max. testing: 1.2kV
Continuity Testing	Range: 0.5Ω/2Ω/10Ω Accuracy: ±0.05Ω/±0.1Ω/±0.2Ω Max. current: 300mA
Loop Testing	Range: Supply Loop/Supply Loop +1Ω Accuracy: 0.45Ω ± 0.05/1.45Ω ± 0.05Ω
Dimensions	330 (L) x 260 (W) x 160 (D) mm
Weight	Approx. 2570g

Ordering Information:

- BST-CHK01: Test Box.



Safety Standard:

- EN 61010-1, EN 61326-1

Features:

Amplifier Probe:

- The amplifier probe is designed to identify and trace wires or cables within a group without damaging the insulation.
- Work with any Tone Generator to identify wires.
- Volume control for increased sensitivity and adjustable to suit work environment.
- Recessed ON/OFF button prevents battery drain.
- Power supply is a 9V battery with a life of approximately 100 hours.
- A phone jack is designed for headset or handset.

Tone Generator:

- Tone generator is a great tool for locating and identifying cable pairs or individual conductors.
- It does not only serve as a tone generator, but also serves as a continuity and polarity tester.
- A tone selector switch located inside the unit for selection of the fast tone or slow tone.
- Two bi-colored LED for Line1 and Line 2 indication of the polarities of the telephone lines.
- The unit has alligator type terminals, a modular cable of 4 conductors with a strong connector.
- The continuity function is only applied to Line 1.
- Accessories: Instruction manual, soft pouch and batteries.

BST-CT101

Technical Specification:

BST-CT101	
Amplifier Probe	Frequency detection: 1Hz~12kHz Receiver distance: <50cm Sensitivity control: √ Probe tip: fixed
Tone Generator	Waveform: square wave Frequency: 1kHz ± 15% Over voltage protection: 80V DC Alternating tone: fast and slow Connection: RJ11 connector, alligator clip x 2
Operating Temperature & Humidity	0°C~40°C, 80%RH max.
Storage Temperature & Humidity	-10°C~50°C, 80%RH max.
Power Source	9V battery
Dimensions	Amplifier probe: 230 (L) x 56 (W) x 27 (D) mm Tone generator: 86 (L) x 63 (W) x 26 (D) mm
Weight	Amplifier probe: Approx. 125g (battery included) Tone generator: Approx. 130g (battery included)

Accessories

Soft Pouch

Ordering Information:

- BST-CT101: Cable Tracer with RJ11 Connector.

Safety Standard:

- EN 61326-1, EN 55011, EN 61000-4-2, EN 61000-4-3

Features:

Amplifier Probe:

- The amplifier probe is designed to identify and trace wires or cables within a group without damaging the insulation.
- Work with any Tone Generator to identify wires.
- Volume control for increased sensitivity and adjustable to suit work environment.
- Recessed ON/OFF button prevents battery drain.
- Power supply is a 9V battery with a life of approximately 100 hours.
- A phone jack is designed for headset or handset.

Tone Generator:

- Tone generator is a great tool for locating and identifying cable pairs or individual conductors.
- It does not only serve as a tone generator, but also serves as a continuity and polarity tester.
- A tone selector switch located inside the unit for selection of the fast tone or slow tone.
- Two bi-colored LED for Line1 and Line 2 indication of the polarities of the telephone lines.
- The unit has alligator type terminals, a modular cable of 4 conductors with a strong connector.
- The continuity function is only applied to Line 1.
- Accessories: Instruction manual, soft pouch and batteries.

BST-CT105

Technical Specification:

BST-CT105	
Amplifier Probe	Frequency detection: 1Hz~12kHz Receiver distance: <50cm Sensitivity control: √ Probe tip: fixed
Tone Generator	Waveform: square wave Frequency: 1kHz ± 15% Over voltage protection: 80V DC Alternating tone: fast and slow Connection: RJ11/RJ45 connector, alligator clip x 2
Operating Temperature & Humidity	0°C~40°C, 80%RH max.
Storage Temperature & Humidity	-10°C~50°C, 80%RH max.
Power Source	9V battery
Dimensions	Amplifier probe: 230 (L) x 56 (W) x 27 (D) mm Tone generator: 86 (L) x 63 (W) x 26 (D) mm
Weight	Amplifier probe: Approx. 125g (battery included) Tone generator: Approx. 130g (battery included)

Accessories

Soft Pouch

Ordering Information:

- BST-CT105: Cable Tracer with RJ11/RJ45 Connector.

Safety Standard:

- EN 61326-1, EN 55011, EN 61000-4-2, EN 61000-4-3

Features:

Filter Probe:

- Work with any tone generator to identify wires.
- Volume control for increased sensitivity and adjustable to suit work environment.
- 2 operation modes: Filter on/Filter off.
- The auto-off function (5 minutes) prevents battery consumption.
- Power supply is available in any 9V battery with a life of approximately 50 hours.
- A phone jack is designed for headset or handset.
- Flashlight function.

Tone Generator:

- Tone generator is a great tool for locating and identifying cable pairs or individual conductors.
- It not only provides the function of a tone generator, but also serves as a continuity and polarity tester.
- A tone selector switch located inside the unit for selection of the fast tone or slow tone.
- Two bi-colored LED for Line1 and Line 2 indication of the polarities of the telephone lines.
- The unit has alligator type terminals, a modular cable of 4 conductors with a strong connector.
- The tone and continuity functions are only applied to Line 1 (modular connector).
- Accessories: Instruction manual, soft pouch and batteries.

BST-CT103

Technical Specification:

BST-CT103	
Filter Probe	Operation mode: - Filter on (avoid the interference of 50Hz/60Hz) - Filter off Receiver distance: <50cm Sensitivity control: √ Probe tip: fixed
Tone Generator	Waveform: square wave Frequency: 1kHz ± 15% Over voltage protection: 80V DC Alternating tone: fast and slow Connection: RJ11 connector, RJ45 connector and alligator clip x 2
Operating Temperature & Humidity	0°C~40°C, 80%RH max.
Storage Temperature & Humidity	-10°C~50°C, 80%RH max.
Power Source	Filter probe: 9V battery x 1 Tone generator: 9V battery x 1
Dimensions	Filter probe: 250 (L) x 39 (W) x 38 (D) mm Tone generator: 86 (L) x 63 (W) x 26 (D) mm
Weight	Filter probe: Approx. 180g (battery included) Tone generator: Approx. 130g (battery included)

Accessories

Soft Pouch

Ordering Information:

- BST-CT103: Cable Tracer with RJ11/RJ45 Connector.

Safety Standard:

- EN 61326-1, EN 55011, EN 61000-4-2, EN 61000-4-3

Features:

Filter Probe:

- It is an ideal tool which can test the correct pin configuration for different kinds of cables.
- For testing: RJ45/RJ11, USB, COAX, BNC cable and multi-wire cable.
- Auto-scan and manual-check function.
- Buzzer sound warning for wire status.
- 2 LED module indicators on the master unit which can do both of transmitter and receiver functions for RJ45/RJ11 cable testing. Users don't need to use the receiving unit.
- It provides a variety for checking cable continuity, open status, short status and miss-wired.
- Ground (shielded) wire test.
- LED indication for wire status.

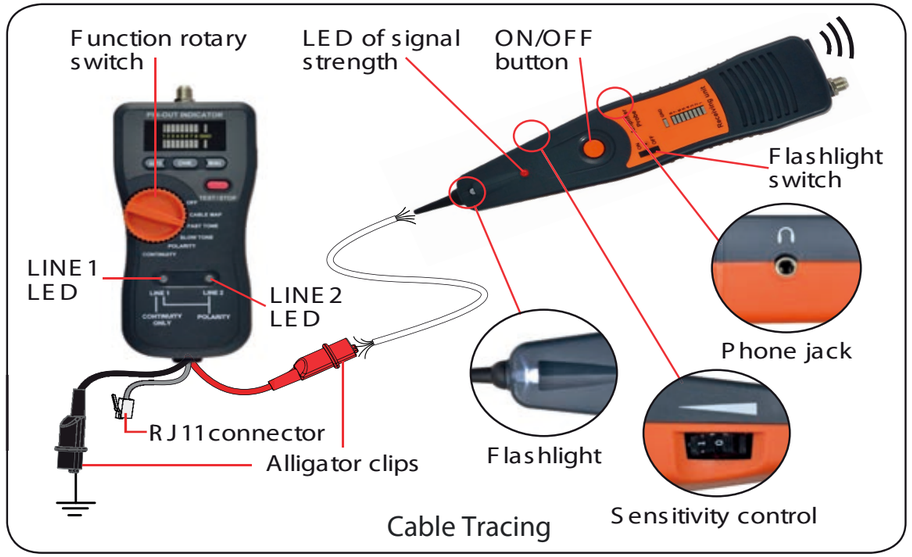
Amplifier Probe:

- It is designed to identify and trace wires or cables within a group without damaging the insulation.
- The flashlight function for easier cable tracing in the dark.
- An LED indication for signal strength.
- Volume control for increased sensitivity and adjustable to suit work environment.
- Recessed ON/OFF button prevents battery drain.
- Work with any tone generator to identify wires.
- Power supply is available in any 9V battery with a life of approximately 100 hours.
- A phone jack is designed for headset or handset.

Tone Generator:

- It is a great tool for locating and identifying cable pairs or individual conductors.
- It doesn't only provide the function for a tone generator, but also serves as a continuity and polarity tester.
- Users can select a fast dual tone or a slow dual tone by the rotary switch.
- Two bi-colored LED for Line1 and Line2 indication of the polarities of the telephone lines.
- Identifying tip and ring of telephone lines.
- Identifying telephone line condition: clear line, busy line & ringing line.
- The unit has alligator type terminals, a modular cable of 4 conductors with a strong connector.
- The tone and continuity functions are only applied to Line1 (modular connector).
- Accessories: Instruction manual, carry case, batteries, self-test cable, BNC testing cables (optional) and multi-wire testing cables (optional).

BST-CT102



Technical Specification:

BST-CT102	
Master Unit & Tone Generator	Display: LED modules bi-colored LEDs Wave form: Square wave Frequency: 1kHz ± 15% Over voltage protection: 80V DC Single tone: ___ Alternating tone: fast and slow Connection: RJ11 connector
Amplifier Probe & Receiving Unit	Frequency detection: 1Hz~12kHz Receiver distance: <50cm Sensitivity control: √ Flashlight: √ LED for signal strength: √ LED module: √
Operating Temperature & Humidity	0℃~40℃, 80% max.
Storage Temperature & Humidity	-10℃~50℃, 80% max.
Power Source	Master Unit & Tone Generator: 9V battery x 1 Amplifier Probe & Receiving Unit: 9V battery x 1
Dimensions	Master Unit & Tone Generator: 180 (L) x 82 (W) x 43.8 (H) mm Amplifier Probe & Receiving Unit: 263 (L) x 55 (W) x 37.3 (H) mm
Weight	Master Unit & Tone Generator: 280g (battery included) Amplifier Probe & Receiving Unit: 21 0g (battery included)

Ordering Information:

- BST-CT102: Multi-Purpose Cable Tester and Cable Tracer.

Accessories

Multi-wire Testing Cables (optional)

BNC Testing Cables (optional)

Safety Standard:

- EN 61326-1, EN 55011, EN 61000-4-2, EN 61000-4-3

BESANTEK LAN Cable tester is a newly designed tool that can easily test the correct pin configuration of the RJ45/RJ11 modular cables, 10/100 base-T cable and token ring cable etc. By comparing one transmitting end and the corresponding receiving end, the BST-LAN10 LAN cable tester also can test installed cables far away by using the remote receiving unit. The BST-LAN10 provides the variety for wiring check such as cable continuity, open status, short status and miss-wired.

Features:

- Designed for RJ45/RJ11 modular cables, 10/100 base-T cable and token ring cable.
- The LAN cable tester can verify cable continuity, open, short circuit and miss-wired.
- The remote receiving unit is available for installed cables far away either on the wall plates or on the patch panels.
- Auto and manual scan functions.
- Ground wire test.
- Lock status function.
- Buzzer sound warning for wire status.
- Display: LED indication for wire status.
- Accessories: Instruction manual, BNC testing cables, self-test cable, carry case, battery and multi-wire testing cables (optional).

BST-LAN10

Technical Specification:

BST-LAN10	
Display	LED
Operating Temperature	0 to 40 ℃
Power Source	9V battery x1
Dimensions	Master unit: 132 (L) x 55 (W) x 39 (D) mm Remote receiving unit: 74 (L) x 30 (W) x 25 (D) mm
Weight	Master unit: 148g (battery included) Remote receiving unit: 33g (battery included)

Ordering Information:

- BST-LAN10: LAN Cable Tester.
- BSTMw: Multi-Wire Testing Cables.

Accessories

BNC Testing Cables

Self-Test Cable

Multi-Wire Testing Cables (optional)

Loopback Test

Remote Test

Safety Standard:

- EN 61326-1

BESANTEK Laser Distance Meter measure with functions that include area, distance, length, volume, continuous measurement and addition/subtraction.

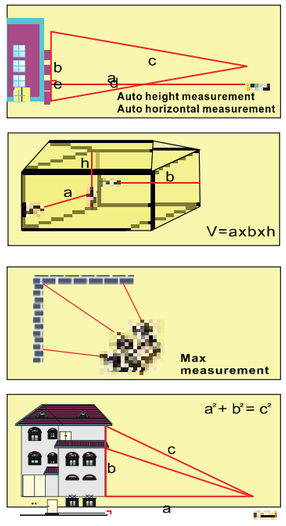
Features:

- Measurement range: 100m.
- Measurement precison: ±2mm.
- Multifunction intelligent calculation.
- Laser aiming.
- Measurement in feet/meter/inch (ft/m/in).
- Data storage.
- Compute distance, area and volume, pythagorean.
- Auto power off.
- Low battery warning indicator.
- Continuous measurement.
- Signal indicator.
- Blacklight display.
- Power indicator.
- Key tone.
- A stake out function for marking out equal distances.
- Accessories: Instruction manual, instrument portable bag, holding rope and battery.

BST-LDM10

Technical Specification:

BST-LDM10	
Measurement Distance	100m
Accuracy	±2mm
Resolution	1mm
Unit Options	m/in/ft
Test Time	0.1 - 3 sec.
Laser Type	II & 635nm & <1mw
Working Temperature	0 ~ 40 ℃
Storage Temperature	-25 ~ 60 ℃
Power Source	1.5V (AAA) x 2
Dimensions	108 x 51 x 31mm
Weight	88g



Ordering Information:

- BST-LDM10: Laser Distance Meter (100m).

Safety Standard:

- EN 61000-6-1:2007, EN 61000-6-3:2007+A1:2011, EN 60825-1:2014

BESANTEK Combustible Gas Leak Detector a applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where LEL gas may exist.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- 16" inch gooseneck detector makes it easy to measure the hard-reached areas.
- Easy to use: one-hand operation with thumb controlled tick adjust knob, tick accelerates when sensor tip approaches leak.
- Use in contaminated environments: eliminates background gas concentration with fully adjustable tick rate.
- Pinpoint small leaks: detects all combustible gas leaks even tiny leaks.
- Accessories: Instruction manual, soft pouch and batteries.

BST-MG03

Technical Specification:

BST-MG03	
Pump Driven Field Adjustable Range	10ppm
Sensor Type	Solid state
Alarm	Visible & audible at 10%LEL for methane, can be calibrated for other concentrations or gases
Warm-Up	Approx. 1 minute
Response Time	Less than 2 sec. (up to 40%LEL)
Duty Cycle	Intermittent
Probe Length	16"
Operating Temperature & Humidity	0°C to 50°C (32°F to 122°F), 10 to 90 %RH (non condensing)
Storage Temperature	-30°C to 60°C (-22°F to 140°F)
Battery Life	Approx. 8 hours continuous use typical
Power Source	3 x "C" 1.5V alkaline batteries
Dimensions	221 x 72 x 46 mm, gooseneck 40cm (16")
Weight	520g

Ordering Information:

- BST-MG03: Combustible Gas Leak Detector.

Combustible:

- Natural Gas.
- Propane.
- Butane.
- Methane.
- Acetone.
- Alcohol.
- Ammonia.
- Steam.
- Carbon Monoxide (not to quantify).
- Gasoline.
- Jet Fuel.
- Hydrogen Sulfide.
- Smoke.
- Industrial Solvents.
- Lacquer Thinner.
- Naphtha.

Safety Standard:

- EN 61326-1:2013, EN 61326-2-1:2013, IEC 61326-1:2012, IEC 61326-2-1:2012

Oxygen Gas Detector

BESANTEK Oxygen Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01O2

Technical Specification:

BST-MG01O2	
Measuring Range	0.0~30.0 %vol
Measurement Error	0.0~5.0 %vol: ±5%vol >5.0~30.0 %vol: ±0.9%vol
Resolution Ratio	0.1%vol
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤35s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	5mA
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 °C; short time for -40~55 °C
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

Ordering Information:

- BST-MG01O2: Oxygen Gas Detector.

IP65 CE

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

BESANTEK

Hydrogen Sulfide Gas Detector

BESANTEK Hydrogen Sulfide Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01H2S

Technical Specification:

BST-MG01H2S	
Measuring Range	0~100 ppm
Measurement Error	0~49 ppm: ±3ppm 50~100 ppm: ±10% of testing gas
Resolution Ratio	1ppm
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤45s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 °C; short time for -40~55 °C
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

Ordering Information:

- BST-MG01H2S: Hydrogen Sulfide Gas Detector.

IP65 CE

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

BESANTEK Carbon Monoxide Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01CO

Technical Specification:

BST-MG01CO	
Measuring Range	0~1000 ppm
Measurement Error	0~20 ppm: ±2ppm 20~100 ppm: ±4ppm 100~500 ppm: ±5% of testing gas 500~1000 ppm: ±6% of testing gas
Resolution Ratio	1ppm
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤45s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 ℃; short time for -40~55 ℃
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

IP65 CE

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01CO: Carbon Monoxide Gas Detector.

BESANTEK Carbon Dioxide Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01CO2

Technical Specification:

Measuring Range	
Measurement Error	0.00 ~ 5.00 %vol 0.00 ~ 0.50 %vol: ±0.10%vol
Resolution Ratio	
Sensor	
Sensor Lifetime	
Response Time	
Alarms	Audible: buzzer with □75dB audible
Continuous Working Time	
Working Current	
Display	
Working Temperature	
Protection Degree	
Battery	
Charging Time	
Dimensions	
Weight	
	140g

Accessories

IP65 CE

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01CO2: Carbon Dioxide Gas Detector.

Nitrogen Monoxide Gas Detector

BESANTEK Nitrogen Monoxide Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01NO

Technical Specification:

BST-MG01NO	
Measuring Range	0~250 ppm
Measurement Error	±5% FS
Resolution Ratio	1ppm
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤45s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 ℃; short time for -40~55 ℃
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01NO: Nitrogen Monoxide Gas Detector.

BESANTEK

Nitrogen Dioxide Gas Detector

BESANTEK Nitrogen Dioxide Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01NO2

Technical Specification:

BST-MG01NO2	
Measuring Range	0~20 ppm
Measurement Error	±5% FS
Resolution Ratio	1ppm
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤45s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 ℃; short time for -40~55 ℃
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01NO2: Nitrogen Dioxide Gas Detector.

Ammonia Gas Detector

BESANTEK Ammonia Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01NH3

Technical Specification:

BST-MG01NH3	
Measuring Range	0~100 ppm
Measurement Error	±5% FS
Resolution Ratio	1ppm
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤45s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 ℃; short time for -40~55 ℃
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

IP65 CE

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01NH3: Ammonia Gas Detector.

Sulfur Dioxide Gas Detector

BESANTEK Sulfur Dioxide Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01SO2

Technical Specification:

BST-MG01SO2	
Measuring Range	0~20 ppm
Measurement Error	±5% FS
Resolution Ratio	1ppm
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤45s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 ℃; short time for -40~55 ℃
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

IP65 CE

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01SO2: Sulfur Dioxide Gas Detector.

BESANTEK Chlorine Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01CL2

Technical Specification:

BST-MG01CL2	
Measuring Range	0~10 ppm
Measurement Error	±5% FS
Resolution Ratio	1ppm
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤45s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 ℃; short time for -40~55 ℃
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01CL2: Chlorine Gas Detector.

BESANTEK Hydrogen Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01H2

Technical Specification:

BST-MG01H2	
Measuring Range	0~1000 ppm
Measurement Error	±5% of testing gas
Resolution Ratio	1ppm
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤45s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 ℃; short time for -40~55 ℃
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01H2: Hydrogen Gas Detector.

Methane Gas Detector

BESANTEK Methane Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01CH4

Technical Specification:

BST-MG01CH4	
Measuring Range	0.00~5.00 %vol
Measurement Error	0.00~1.00 %vol: ±0.06%vol 1.00~5.00 %vol: ±7% of displayed value or ±5% FS
Resolution Ratio	0.01%vol
Sensor	Infrared sensor
Sensor Lifetime	≥5 year
Response Time	≤45s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 °C; short time for -40~55 °C
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01CH4: Methane Gas Detector.

Ethylene Oxide Gas Detector

BESANTEK Ethylene Oxide Gas Detector is applied to underground coal mine, petrochemical industry, municipal, environmental protection and other spaces where explosive and toxic gases may exist.

Features:

- Rugged ABS+ PC case, heavy duty and crash resistant.
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP65).
- Intrinsically safe device, it can be used in potential explosive environments.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible and visible alarm.
- High and low alarm point and fully adjustable.
- Friendly and easy to use.
- USB interface.
- Low battery warning alarm.
- Stainless steel belt clip.
- Accessories: Instruction manual, USB cord, adapter, calibration cap & tube, belt clip, leather case and hanging cord.

BST-MG01ETO

Technical Specification:

BST-MG01ETO	
Measuring Range	0~20 ppm
Measurement Error	±10% FS
Resolution Ratio	1ppm
Sensor	Electrochemical sensor
Sensor Lifetime	≥2 year
Response Time	≤140s (T90)
Alarms	Audible: buzzer with ≥75dB audible Visible: flashing red LED, ≥20m visible
Continuous Working Time	>300 hours
Working Current	<1mA (without backlight)
Display	Liquid crystal display (LCD)
Working Temperature	-25~55 °C; short time for -40~55 °C
Protection Degree	IP65
Battery	3.7V/1500mA
Charging Time	4-5 hours
Dimensions	105 × 54 × 32 mm
Weight	140g

Accessories

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Ordering Information:

- BST-MG01ETO: Ethylene Oxide Gas Detector.

BESANTEK Multi-Gas Detector is applied to underground coal mining, petrochemical industry, municipal, environmental protection and other spaces where multi gas may exist.
It can be used for detecting Methane (CH4) or Combustible Gas (LEL), Oxygen (O2), Carbon Monoxide (Co) and Hydrogen Sul de (H2S) gases simultaneously.

Features:

- Rugged ABS + PC case, heavy duty, crash resistant and anti-static (less than $10^{-9}\Omega$).
- Smart, firm, portable and can be used as xed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP66).
- Intrinsically safe device and has authorized reports.
- Continuous LCD large screen display with real time clock and status of battery.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible, visible and vibrating alarms.
- High and low alarm point and fully adjustable, as well as STEL and TWA alarms.
- Support unit switch between %LEL-%CH4 for combustible gases and ppm-mg/m3 for toxic gases.
- Friendly and easy to use.
- Battery type: 3.7V/1500mA.
- Continuous working time ≥13 hours.
- Rechargeable battery (charging time 4-5 hours).
- Low battery warning indicator.
- USB interface.
- Stainless steel belt clip.
- Low maintenance cost, plug-in type sensors and battery, easy operation.
- Accessories: Instruction manual, USB cord, adapter, calibration cap and tube, belt clip, leather case, hanging cord and carrying case.

BST-MG09

Technical Specification:

BST-MG09		
Measuring Range	O2	0~30.0 %vol
	H2S	0~100 ppm
	CO	0~1000 ppm
	CH4	0.00~5.00 %vol
	LEL	0~100 %LEL
Measurement Error	O2	0.0~5.0 %vol (±0.5%vol) >5.0~30.0 %vol (±0.9%vol)
	H2S	0~50 ppm (±3ppm) >50~100 ppm (true value ±10%)
	CO	0~20 ppm (±2ppm) >20~100 ppm (±4ppm) >100~500ppm (true value ±5%) >500~1000 ppm (true value ±6%)
	CH4	0.00~1.00 %vol (±0.10%vol) 1.00~3.00 %vol (true value ±10%) 3.00~5.00 %vol (±0.30%vol)
	LEL	1~20 %LEL (±2%LEL) 20~60 %LEL (true value ±2%) 60~100 %LEL (±6%LEL)
Resolution Ratio	O2	0.1%vol
	H2S	1ppm
	CO	1ppm
	CH4	0.01%vol
	LEL	1%LEL
Response Time	O2	≤35s (T90)
	H2S	≤45s (T90)
	CO	≤45s (T90)
	CH4	≤20s (T90)
	LEL	≤20s (T90)
Sensor	- High quality catalytic sensor for CH4, LEL - Electrochemical sensor for O2, H2S, CO	
Sensor Lifetime	≥ 2 year: O2, H2S, CO ≥ 1 year: CH4, LEL	
Alarms	- Audible: buzzer with ≥85dB at 1m audible Visible: flashing red LED ≥20m visible - Vibration	
Alarm Point	High and low, fully adjustable	
Protection Level	IP66	
Display	Liquid crystal display (LCD)	
Working Temperature	-25℃ to 55℃	
Continuous Working	≥13 hours	
Battery	3.7V/1500mA	
Charging Time	4-5 hours	
Dimensions	130 × 70 × 37 mm	
Weight	240g	

Accessories

Ordering Information:

- BST-MG09: Multi-Gas Detector.

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

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Multi-Gas Detector DataLogger with Air Pump
BESANTEK

BESANTEK Multi-Gas Detector DataLogger with Air Pump is applied to underground coal mining, petrochemical industry, municipal, environmental protection and other spaces where multi gas may exist. It can be used for detecting Methane (CH4) or Combustible Gas (LEL), Oxygen (O2), Carbon Monoxide (Co) and Hydrogen Sulfide (H2S) gases simultaneously.

Features:

- Rugged ABS + PC case, heavy duty, crash resistant and anti-static (less than $10^{-9}\Omega$).
- Smart, firm, portable and can be used as fixed device.
- High accuracy.
- Compact size and light weight.
- Water resistant and dustproof (standard IP66).
- Intrinsically safe device and has authorized reports.
- Continuous LCD large screen display with real time clock and status of battery.
- Microcomputer circuit with intelligent function.
- High capacity chip and 4 layers PCB board.
- Audible, visible and vibrating alarms.
- High and low alarm point and fully adjustable, as well as STEL and TWA alarms.
- Support unit switch between %LEL-%CH4 for combustible gases and ppm-mg/m3 for toxic gases.
- Friendly and easy to use.
- Battery type: 3.7V/1500mA.
- Continuous working time ≥ 13 hours.
- Rechargeable battery (charging time 4-5 hours).
- Low battery warning indicator.
- USB interface.
- Stainless steel belt clip.
- Low maintenance cost, plug-in type sensors and battery, easy operation.
- External air sampling pump for gas leak detection.
- Accessories: Instruction manual, USB cord, adapter, calibration cap and tube, belt clip, leather case, hanging cord, carrying case, BSTSoftware and air pump.

BST-MG08

Technical Specification:

BST-MG08		
Measuring Range	O2	0~30.0 %vol
	H2S	0~100 ppm
	CO	0~1000 ppm
	CH4	0.00~5.00 %vol
	LEL	0~100 %LEL
Measurement Error	O2	0.0~5.0 %vol (±0.5%vol) >5.0~30.0 %vol (±0.9%vol)
	H2S	0~50 ppm (±3ppm) >50~100 ppm (true value ±10%)
	CO	0~20 ppm (±2ppm) >20~100 ppm (±4ppm) >100~500ppm (true value ±5%) >500~1000 ppm (true value ±6%)
	CH4	0.00~1.00 %vol (±0.10%vol) 1.00~3.00 %vol (true value ±10%) 3.00~5.00 %vol (±0.30%vol)
	LEL	1~20 %LEL (±2%LEL) 20~60 %LEL (true value ±2%) 60~100 %LEL (±6%LEL)
Resolution Ratio	O2	0.1%vol
	H2S	1ppm
	CO	1ppm
	CH4	0.01%vol
	LEL	1%LEL
Response Time	O2	≤35s (T90)
	H2S	≤45s (T90)
	CO	≤45s (T90)
	CH4	≤20s (T90)
	LEL	≤20s (T90)
Sensor	- High quality catalytic sensor for CH4, LEL - Electrochemical sensor for O2, H2S, CO	
Sensor Lifetime	≥ 2 year: O2, H2S, CO ≥ 1 year: CH4, LEL	
Alarms	- Audible: buzzer with ≥85dB at 1m audible - Visible: flashing red LED ≥20m visible - Vibration	
Alarm Point	High and low, fully adjustable	
Data Logging	Continuous data logging (100000 records with 1-10 minutes interval)	
Protection Level	IP66	
Display	Liquid crystal display (LCD)	
Working Temperature	-25°C to 55°C	
Continuous Working	≥13 hours	
Battery	3.7V/1500mA	
Charging Time	4-5 hours	
Dimensions	130 × 70 × 37 mm	
Weight	240g	

Accessories

Air Pump

Ordering Information:

- BST-MG08: Multi-Gas Detector DataLogger with Air Pump.

Safety Standard:

- CE: EN 50270:2006
  MA/KA: GB3836-2010
  EX: GB3836.1-2010 & 3836.4-2010

Gas Detectors

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Digital Thermometer

BESANTEK Digital Thermometer is pen style, stainless steel sensing tips, direct measuring, portable, wide measuring range, applied to refrigerant, heating and food processing etc.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Memory of last measure.
- LCD display.
- Data hold function.
- Selectable °C or °F.
- ON/OFF button.
- Low battery warning sensor and display indicator.
- 15 minute auto shut down for power saving (option).
- Reliable and stable.
- Accessories: Instruction manual, plastic tube and battery.

BST-HYG5

Technical Specification:

BST-HYG5	
Temperature Range	-50 to 300°C (58 to 572°F)
Temperature Resolution	0.1°C (0.1°F)
Temperature Accuracy	±1°C (±1.8°F)
Stainless Steel Needle Length	145mm
LCD Size	13 x 28 mm
Power Source	1.5V battery x 1
Dimensions	Length: 235mm Diameter: 22mm
Weight	Approx. 45g

Ordering Information:

- BST-HYG5: Digital Thermometer.

Safety Standard:
- EN 61326-1: 2013, EN 61326-2-2: 2013

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Large Display Thermo-Hygrometer

BESANTEK Large Display Thermo-Hygrometer widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Indoor and outdoor temperature measuring.
- Indoor humidity measuring.
- Selectable °C or °F.
- Large LCD display.
- Max./Min. and current value displayed.
- Clock date is displayed.
- Reliable and stable.
- Accessories: Instruction manual, external temperature probe and battery.

BST-HYG2

Technical Specification:

BST-HYG2	
Indoor Temperature Range	-10 to 50°C (14 to122°F)
Outdoor Temperature Range	-50 to 70°C (-58 to 158°F)
Temperature Resolution	0.1°C (0.2°F)
Temperature Accuracy	±1°C (±1.8°F)
Humidity Range	10%RH to 90%RH
Humidity Resolution	1%RH
Humidity Accuracy	±5.0%RH
Sensor Cable Length	2m
Power Source	1.5V (AAA) x 1
Dimensions	103 x 96 x 20 mm
Weight	Approx. 115g

Ordering Information:

- BST-HYG2: Large Display Thermo-Hygrometer.

Environme nt Test Meter

Safety Standard:
- EN 61326-1: 2013, EN 61326-2-2: 2013

Large Display Thermo-Hygrometer with Alert

BESANTEK Large Display Thermo-Hygrometer widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Indoor & outdoor temperature measuring.
- Indoor humidity measuring.
- Display of comfort degree:
  - ☺ appears at indoor temperature 18°C~25°C and indoor humidity 40%RH~65%RH.
  - ☹ appears at other indoor temperature and indoor humidity.
- Alert for outdoor temperature.
- Selectable °C or °F.
- Large LCD display.
- Max./Min. and current value displayed.
- Clock date is displayed.
- Reliable and stable.
- Display of comfort degree.
- Accessories: Instruction manual, external temperature probe and battery.

BST-HYG3

Technical Specification:

BST-HYG3	
IndoorTemperature Range	-10 to 50°C (14 to122°F)
Outdoor Temperature Range	-50 to 90°C (-58 to 194°F)
Temperature Resolution	0.1°C (0.2°F)
Temperature Accuracy	±1°C (±1.8°F)
Humidity Range	20%RH to 90%RH (when humidity<20%RH, display 10%RH directly)
Humidity Resolution	1%RH
Humidity Accuracy	±5.0%RH
Sensor Cable Length	2m
LCD Size	92 x 66 mm
Power Source	1.5V (AAA) x 1
Dimensions	150 x 88 x 24 mm
Weight	Approx. 160g

Ordering Information:

- BST-HYG3: Large Display Thermo-Hygrometer with Alert.

Safety Standard:

- EN 61326-1: 2013, EN 61326-2-2: 2013

BESANTEK

Large LED Thermo-Hygrometer

BESANTEK Large LED Thermo-Hygrometer is highly accurate and reliable used in warehouses, hospitals, factories, restaurants, supermarket, indoor environment etc. LED height row display shows the temperature and humidity display with clear visual distance of 5-10 meters.

Features:

- Measure temperature and humidity with external sensor and 3 meters cable.
- Adaptive and bright LED digital tube display, clear display and visible distance is 5-10m.
- Fashionable and simple performance, firm structure and high accuracy.
- Temperature-humidity deviation calibration function button.
- Widely applied in offices, hotel, canteens, factory, supermarket, warehousing, hospital, school and indoor environment etc.
- Accessories: Instruction manual and DC 12V power.

BST-HYG13

Technical Specification:

BST-HYG13	
Temperature Measuring Range	-40 ~ 85 °C
Temperature Accuracy	±0.5 °C
Humidity Measuring Range	0 ~ 99 %RH
Humidity Accuracy	±3%RH
Sensor Type	External sensor with 3 meters cable
Visible Distance	5 - 10 meters
Display Height	1.2"
Power Source	12V DC
Dimensions	170mm x 115mm x 33mm
Weight	700g

Accessories

Ordering Information:

- BST-HYG13: Large LED Thermo-Hygrometer.

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Single-Use USB PDF Temperature DataLogger

BESANTEK Single-Use USB PDF Temperature DataLogger is widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Records up to 12000 readings.
- Dustproof and waterproof design to resist moisture, dew and dust.
- Exceed limit alarm: can set the temperature limit, when the value exceed the limit, LED lights flashing .
- Low power design, 1/2 AA 3.6V lithium battery, working at least 12 months.
- Instrument connected into the computer automatically generate PDF documents, view and analyze data more convenient and efficient.
- LCD display.
- Max./Min. and current value.
- Accessories: Instruction manual, bracket, cover & battery.

BST-DL08

Technical Specification:

BST-DL08	
Temperature Range	-30 to 70℃
Temperature Resolution	0.1℃
Temperature Accuracy	±0.5℃
Record Volume	12000
Sampling Interval	10s
Log Interval	From 5s to 12hours
LCD Size	18mm x 13.5mm
Battery Life	1 year
Power Source	3.6V 1/2 AA lithium battery
Dimensions	125mm x 28mm x 22mm
Weight	Approx. 62g

Accessories

Bracket

Ordering Information:

- BST-DL08: Single-Use USB PDF Temperature DataLogger.

CE

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Single-Use USB PDF Temperature and Humidity DataLogger

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BESANTEK Single-Use USB PDF Temperature and Humidity DataLogger is widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Records up to 7200 readings.
- Dustproof and waterproof design to resist moisture, dew and dust.
- Exceed limit alarm: can set the temperature and humidity limit, when the value exceed the limit, LED lights flashing.
- Low power design, 1/2 AA 3.6V lithium battery, working at least 12 months.
- Instrument connected into the computer automatically generate PDF documents, view and analyze data more convenient and efficient.
- LCD display.
- Max./Min. and current value.
- Accessories: Instruction manual, bracket, cover & battery.

BST-DL09

Technical Specification:

BST-DL09	
Temperature Range	-30 to 70℃
Temperature Resolution	0.1℃
Temperature Accuracy	±0.5℃
Humidity Range	0 to 99%RH
Humidity Resolution	0.1%RH
Humidity Accuracy	±5.0%RH
Record Volume	7200
Sampling Interval	10s
Log Interval	From 5s to 12hours
LCD Size	18mm x 13.5mm
Battery Life	1 year
Power Source	3.6V 1/2 AA lithium battery
Dimensions	125mm x 28mm x 22mm
Weight	Approx. 62g

Accessories

Bracket

Ordering Information:

- BST-DL09: Single-Use USB PDF Temperature and Humidity DataLogger.

CE

BESANTEK Corporation, CANADA

Temperature USB DataLogger

BESANTEK Temperature USB DataLogger is widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Records up to 43000 readings.
- Water resistance.
- User-programmable datalogger name, temperature alarm limit, logging rate (2s to 24h) and offset adjust.
- LED lights alert when exceed limit that user set.
- BSTSoftware compatible with windows.
- Integrated LCD display.
- Record diagram and mean kinetic temperature calculation via BSTSoftware.
- Friendly mounting bracket.
- Max./Min. and current value.
- Accessories: Instruction manual, CD software, bracket, cover and battery.

BST-DL10

Technical Specification:

BST-DL10	
Temperature Range	-30 to 70℃ (-22 to 158℉)
Temperature Resolution	0.1℃
Temperature Accuracy	±0.5℃ (±0.9℉)
Record Volume	43000
Logging Rate	2s to 24h
LCD Size	18mm x 13.5mm
Battery Life	1 year
Power Source	3.6V 1/2 AA lithium battery
Dimensions	126mm x 34mm x 28mm
Weight	Approx. 60g

Accessories

Bracket

Ordering Information:

- BST-DL10: Temperature USB DataLogger.

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Temperature & Humidity USB DataLogger

BESANTEK Temperature & Humidity USB DataLogger is widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Records up to 43000 readings.
- Water resistance.
- User-programmable datalogger name, humidity, temperature alarm limit, logging rate (2s to 24h) and offset adjust.
- LED lights alert when exceed limit that user set.
- BSTSoftware compatible with windows.
- Integrated LCD display.
- Record diagram, mean kinetic temperature calculation & dew point indication via BSTSoftware.
- Friendly mounting bracket.
- Max./Min. and current value.
- Accessories: Instruction manual, CD software, bracket, cover and battery.

BST-DL13

Technical Specification:

BST-DL13	
Temperature Range	-30 to 70℃ (-22 to 158℉)
Temperature Resolution	0.1℃
Temperature Accuracy	±0.5℃ (±0.9℉)
Humidity Range	0 to 100%RH
Humidity Resolution	0.1%RH
Humidity Accuracy	±5.0%RH
Record Volume	43000
Logging Rate	2s to 24h
LCD Size	18mm x 13.5mm
Battery Life	1 year
Power Source	3.6V 1/2 AA lithium battery
Dimensions	126mm x 34mm x 28mm
Weight	Approx. 60g

Accessories

Bracket

Ordering Information:

- BST-DL13: Temperature & Humidity USB DataLogger.

Environme nt Test Meter

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Heat Stress WBGT DataLogger (Temperature-Humidity-Dew Point-Wet Bulb-WBGT)

BESANTEK Heat Stress WBGT DataLogger is widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Built-in micro SD socket stores all parameters.
- Dual temperature and humidity (internal and external).
- Calculate dew point, wet bulb, WBGT temperature in seconds.
- Red/Green indicator light (alert).
- Store up to 8G memory (supplied).
- Export SD data to .csv format.
- Large size LCD display with date and time.
- Max./Min., current value and recall function.
- Offset adjust for temperature and humidity.
- Audible and visible alarm.
- Alarm threshold adjust.
- Desktop or wall mount meter.
- Accessories: Instruction manual, batteries, sensor probe with 1m cable, universal adapter and 8G micro SD card.

BST-DL77

Technical Specification:

BST-DL77	
Internal Temperature	Range: 0~50°C (32~122°F) Resolution: 0.1°C (0.1°F) Accuracy: ±0.5°C (±1.2°F)
External Temperature	Range: -40~85°C (-40~185°F) Resolution: 0.1°C (0.1°F) Accuracy: ±0.5°C (0~50°C), others ±1°C
Humidity (Internal & External)	Range: 0~99.9%RH Resolution: 0.1%RH Accuracy: ±3%RH (at 25°C, 30~70%RH, others ±5%RH)
Operating Temperature & Humidity	-20°C to 50°C, <80%RH
Storage Temperature & Humidity	-10°C to 50°C, <80%RH
Power Source	1.5V AAA battery x 4 or AC adaptor
Dimensions	113 (L) x 108 (W) x 28 (H) mm
Weight	Approx. 155g

Ordering Information:

- BST-DL77: Heat Stress WBGT DataLogger (Temperature-Humidity-Dew Point-Wet Bulb-WBGT).

Accessories

Universal Adapter

SD Card

Safety Standard:

- EN 61326-1:2006, IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007+A2:2010

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BESANTEK

Ethernet LAN Temperature and Humidity DataLogger with External Probe

BESANTEK Ethernet LAN Temperature and Humidity DataLogger with External Probe is widely applied to laboratory elds, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Measuring temperature and humidity with external sensor.
- Records up to 43000 readings.
- Exceed limit sound and light function.
- User-programmable data logger name, temperature humidity alarm limit via software.
- Logging rate (2s to 24h) and offset adjust.
- BSTServer and BSTClient software compatible with windows.
- Display time, Max./Min., temperature and humidity.
- RJ45 interface.
- Accessories: Instruction manual, software, screw, adapter and battery.
- Optional accessories: GSM modem.

BST-LAN02

Technical Specification:

BST-LAN02	
Temperature Range	-40°C to 85°C
Temperature Resolution	0.1°C
Temperature Accuracy	±0.5°C
Humidity Range	0~100%RH
Humidity Resolution	0.1%RH
Humidity Accuracy	±5%RH
Sensor Type	External temperature and humidity sensor with 3 meters cable
Record Volume	43000
Log Interval	2 second ~ 24 hours
LCD Size	97mm x 78mm
Port	RJ45
Mode of Connection	LAN
Power Source	9V battery x 1 or 12V DC external power supply
Dimensions	135 x 124 x 35 mm
Weight	Approx. 380g

BST-GSMM
GSM Modem
(Optional)

- GSM 850/900/1800/1900MHz.
- System will SMS alarm via BST-GSMM.
- RS232/SIM card interface, Built in15kV ESD protection.

Environme nt Test Meter

BESANTEK Corporation, CANADA

Software Features:

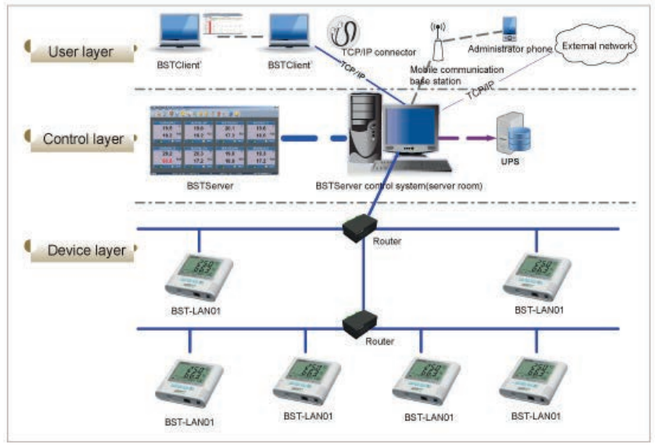
- Software Features:
- Remote real time online monitor software.
- Clear interface and easy to operate.
- BSTServer Software:
  - Uploading the data automatically according to the user's setup interval and display the whole real time data of temperature & humidity on the BSTServer software.
  - All the setups can be done through the BSTServer software such as refresh interval, Logging interval, alarm limit, GSM alarm, Email alarm ect.
- BSTClient Software:
  - The history data can be searched by the BSTClient software. The history data can be downloaded as BMP graph, EXCEL, PDF.

System Features:

- Power resume function: when the external power off, the data will record in logger (batteries as back up power supply), and will automatically send data to PC once the external power back to normally.
- Alarm functions: exceed limit alarm, disconnection alarm, power off alarm.
- Alarm type: sound & light alarm (only for exceed limit alarm), Email alarm, SMS alarm (optional).

BSTServer Software

BSTClient Software



Ordering Information:

- BST-LAN02: Ethernet LAN Temperature and Humidity DataLogger with External Probe.
- BST-GSMM: GSM Modem.

CE

BESANTEK Wireless Temperature and Humidity DataLogger with External Probe is widely applied to laboratory elds, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Using Zigbee 2.4GHz wireless technology.
- Up to 100 meters transmission range (line of sight).
- Logger memory automatically downloaded.
- Real time monitoring on your computer.
- Exceed limit sound and light alarm function.
- Simple, quick and easy to install.
- LCD dual temperature and humidity display.
- Accessories: Instruction manual, software, adaptor, screw and batteries.
- Optional accessories: Wireless base station (RJ45 interface) and GSM modem.

BST-DL115

Technical Specification:

BST-DL115	
Temperature Range	-40°C to 85°C
Temperature Resolution	0.1°C
Temperature Accuracy	±0.5°C
Humidity Range	0~100%RH
Humidity R esolution	0.1%RH
Humidity Accuracy	±3%RH
Sensor Type	External temperature and humidity sensor with 3 meters cable
Recording Capacity	Maximum 8192
Log Interval	2 second ~ 24 hours
Waterproof Level	IP54
Wireless Transmission Rate	115200 BPS
Wireless Antenna	Built-in (2.4G)
Alarm Type	Audible and visual alarm (LED & Buzzer)
PC Interface	Zigbee and USB
Power Source	1.5V (AA) x 4 battery
Dimensions	90 x 87 x 44 mm
Weight	Approx. 330g

- Wireless transmission rate:115200BPS.
- Maximum 32 units data logger to one base station.
- Frequency number supported: 15 Bands.
- Zigbee+RJ45 interface.
- IP address: Fixed IP.

BST-WDL07
Wireless Base Station
(Optional)

- GSM 850/900/1800/1900MHz.
- System will SMS alarm via BST-GSMM.
- RS232/SIM card interface, Built in 15kV ESD protection.

BST-GSMM
GSM Modem
(Optional)

Software Features:

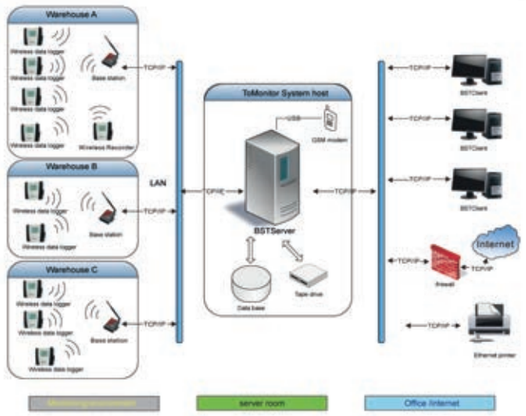
- Remote real time online monitor software.
- Clear interface and easy to operate.
- BSTServer Software:
  - Uploading the data automatically according to the user's setup interval and display the whole real time data of temperature & humidity on the BSTServer software.
  - All the setups can be done through the BSTServer software such as refresh interval, Logging interval, alarm limit, GSM alarm, Email alarm ect.
- BSTClient Software:
  - The history data can be searched by the BSTClient software. The history data can be downloaded as BMP graph, EXCEL, PDF.

BSTServer Software

BSTClient Software

System Features:

- Power resume function: when the external power off, the data will record in logger (batteries as back up power supply), and will automatically send data to PC once the external power back to normally.
- Alarm functions: exceed limit alarm, disconnection alarm, power off alarm.
- Alarm type: sound & light alarm (only for exceed limit alarm), Email alarm, SMS alarm (optional).



Ordering Information:

- BST-DL115: Wireless Temperature and Humidity DataLogger with External Probe.
- BST-WDL07: Wireless Base Station.
- BST-GSMM: GSM Modem.

BESANTEK Thermocouple Thermometer Datalogger is widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- One channel datalogging support 8 thermocouple types (K, J, E, T, R, S, N, B).
- 88 manual record capacity.
- Records up to 36,000 readings (Automatic).
- Sampling rate: fastest 1/second, from 1 to 240 second can be set.
- Log rate: 2s - 24h.
- BSTSoftware.
- Max., min. and current value.
- Large-screen LCD display.
- Accessories: Instruction manual, K type thermocouple, CD software, carrying case, USB cable and battery.

BST-DL102

Technical Specification:

BST-DL102	
Measuring Range	-200 to 1800 ℃ (-328 to 3272 °F)
Resolution	0.1℃
Accuracy	±1℃ ± 0.5%
Sensor Type	K, J, E, T, R, S, N, B
Temperature Channel	1 Channel
Sampling Rate	Fastest 1/sec, from 1 to 240 second can be set
LCD Size	54mm x 44mm
Power Source	9V battery x 1
Dimensions	187mm x 73mm x 53mm
Weight	320g

Accessories

Carrying Case

CD Software

USB Cable

Battery

K TypeThermocouple

Ordering Information:

- BST-DL102: Thermocouple Thermometer DataLogger.

2-Channel Thermocouple Thermometer Datalogger

BESANTEK Thermocouple Thermometer Datalogger is widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- 2-Channel datalogging support 8 thermocouple types (K, J, E, T, R, S, N, B).
- 88 manual record capacity.
- Records up to 36,000 readings (Automatic).
- Sampling rate: fastest 1/second, from 1 to 240 second can be set.
- Log rate: 2s - 24h.
- BSTSoftware.
- Max., min. and current value.
- Large-screen LCD display.
- Accessories: Instruction manual, K type thermocouple, CD software, carrying case, USB cable and battery.

BST-DL103

Technical Specification:

BST-DL103	
Measuring Range	-200 to 1800 ℃ (-328 to 3272 °F)
Resolution	0.1℃
Accuracy	±1℃ ± 0.5%
Sensor Type	K, J, E, T, R, S, N, B
Temperature Channel	2 Channel
Sampling Rate	Fastest 1/sec, from 1 to 240 second can be set
LCD Size	54mm x 44mm
Power Source	9V battery x 1
Dimensions	187mm x 73mm x 53mm
Weight	320g

Accessories

Carrying Case

CD Software

USB Cable

Battery

K TypeThermocouple

Ordering Information:

- BST-DL103: 2-Channel Thermocouple Thermometer DataLogger.

BESANTEK

4-Channel Thermocouple Thermometer Datalogger

BESANTEK Thermocouple Thermometer Datalogger is widely applied to laboratory fields, food industry, medical application, pharmaceutical industry, industrial application, environmental protection areas and agricultural research fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- 4-Channel datalogging support 8 thermocouple types (K, J, E, T, R, S, N, B).
- 88 manual record capacity.
- Records up to 36,000 readings (Automatic).
- Sampling rate: fastest 1/second, from 1 to 240 second can be set.
- Log rate: 2s - 24h.
- BSTSoftware.
- Max., min. and current value.
- Large-screen LCD display.
- Accessories: Instruction manual, K type thermocouple, CD software, carrying case, USB cable and battery.

BST-DL104

Technical Specification:

BST-DL104	
Measuring Range	-200 to 1800 ℃ (-328 to 3272 °F)
Resolution	0.1℃
Accuracy	±1℃ ± 0.5%
Sensor Type	K, J, E, T, R, S, N, B
Temperature Channel	4 Channel
Sampling Rate	Fastest 1/sec, from 1 to 240 second can be set
LCD Size	54mm x 44mm
Power Source	9V battery x 1
Dimensions	187mm x 73mm x 53mm
Weight	320g

Accessories

Carrying Case

CD Software

USB Cable

Battery

K TypeThermocouple

Ordering Information:

- BST-DL104: 4-Channel Thermocouple Thermometer DataLogger.

BESANTEK Psychro-hygrometer has been designed to combine the functions of air temperature, humidity and type k thermometer.

Features:

- New compact hand held meter measures and records single thermocouple K type with ambient temperature and relative humidity.
- Quick response and high accuracy single input thermocouple and TRH.
- Relative function to compare the reference temperature per second.
- Low battery warning indicator.
- Backlight function for working in dark area.
- Hold function: Freeze current readings on LCD.
- Maximum/Minimum/Average: Record since powered on.
- DP.WB temperature.
- Auto power off: Save power energy when not used. Enable to disable the function.
- Temperature unit: Switchable.
- Display T1(K), T2(TRH), T1-T2, T1 REL, T2 REL with Time and Date.
- Store up to 8G memory to csv. format.
- Accessories: Instruction manual, 9V battery, k type probe x 1, universal adaptor and 8G micro SD card, black blow case.

BST-SQ09

Technical Specification:

BST-SQ09	
Input	Single K + Temp. RH
Type K Temperature	Range: -200~1372°C (-148~2501°F) Resolution: 0.1°C/0.1°F(-99.9~199.9°C), others 1°C/1°F Accuracy: ±(0.1% rdg + 1°C/2°F):-50~1372°C; others±(0.1% of rdg±2°C)@23±5°C, <75% RH condition
Air Temperature	Range:-10~60°C (14~140°F) Resolution: 0.1°C/0.1°F Accuracy: ±0.6°C (1.2°F)
Humidity	Range: 0.0~99.9% Resolution: 0.1% Accuracy: ±3%(@25°C, <70%), others±5%
Dew Point Temperature	Range: -68°C~60°C (-90.4°F~140°F) Resolution: 0.1°C/0.1°F Accuracy: ±0.5°C/0.9°F
Wet Bulb Temperature	Range: 0°C~80°C (32°F~176°F) Resolution: 0.1°C/0.1°F Accuracy: ±0.5°C/0.9°F
Power	9V Battery/ AC/DC adaption (Option)
Dimension	Meter: 180 x 68.5 x 50 mm Temp. RH sensor probe (fixed): 15.8x14.8 mm
Weight	160g

Accessories

Ordering Information:

- BST-SQ09: Psychro-hygrometer.

Safety Standard:

- EN 61326-1:2013, IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007+A2:2010 IEC 61000-4-8:2009

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BESANTEK Corporation, CANADA

BESANTEK IR Thermometer is designed to be practical for quick measurements up close or at a distance with non-contact temperature measurements.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Selectable °C or °F.
- Large LCD display.
- Double display backlight.
- Max., min. and DIF temperature readings help quickly identify problems.
- Check starters, fuses and bus connections, enclosed relays, bearings, belts and sheaves, etc.
- It is fast, efficient and easy to use, saving your valuable time and effort.
- Reliable and stable.
- Laser switch.
- Electricity cut off memory.
- Tripod mount.
- Low battery warning display.
- Sleep mode.
- Accessories: Instruction manual and battery.

BST-NT14

Technical Specification:

BST-NT14	
Temperature Range	-20°C~400°C (-4°F~752°F)
Maximum Measurement Precision	±2°C or ±2% (ambient temperature: 23°C±2°C)
Resolution	0.1°C (0.1°F)
Repeatability	< ±0.5°C or < ±0.5%
Distance to Spot Size	12:1
Response Time	500ms
Spectral Response	8μm~14μm
Laser Type	Class 2 (II)
Laser Power	< 1mW
Laser Wavelength	630nm~670nm
Display Hold	8 seconds
Emissivity	0.1~1.0 Adjustable
Power Source	9V battery x 1
Dimensions	153mm x 108mm x 40mm
Weight	185g

Ordering Information:

- BST-NT14: IR Thermometer -20˚C ~ 400˚C.

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013

Environme nt Test Meter

BESANTEK IR Thermometer is designed to be practical for quick measurements up close or at a distance with non-contact temperature measurements.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Selectable °C or °F.
- Large LCD display.
- Double display backlight.
- Max., min. and DIF temperature readings help quickly identify problems.
- Check starters, fuses and bus connections, enclosed relays, bearings, belts and sheaves, etc.
- It is fast, efficient and easy to use, saving your valuable time and effort.
- Reliable and stable.
- Laser switch.
- Electricity cut off memory.
- Tripod mount.
- Low battery warning display.
- Sleep mode.
- Accessories: Instruction manual, battery and soft pouch.

BST-NT15

Technical Specification:

BST-NT15	
Temperature Range	-18°C~550°C (0°F~1022°F)
Accuracy	±1.8°C (±4°F) or ±1.8%
Resolution	0.1°C (0.1°F)
Repeatability	0.5% of reading or 1°C (2°F)
Distance to Spot Size	12:1
Response Time	250ms (95% of reading)
Spectral Response	8μm~14μm
Laser Type	Class 2 (II)
Laser Power	<1mW
Laser Wavelength	630nm~670nm
Display Hold	8 seconds
Emissivity	0.10 ~ 1.0 Adjustable
Power Source	9V battery x 1
Dimensions	169 x 138 x 53 mm
Weight	270g

Accessories

Soft Pouch

Battery

Ordering Information:

- BST-NT15: IR Thermometer -18°C ~ 550°C.

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013

BESANTEK High Temperature IR Thermometer is designed to be practical for quick measurements up close or at a distance with non-contact temperature measurements.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Selectable °C or °F.
- Large LCD display.
- Double display backlight.
- Max., min. and DIF temperature readings help quickly identify problems.
- Check starters, fuses and bus connections, enclosed relays, bearings, belts and sheaves, etc.
- It is fast, efficient and easy to use, saving your valuable time and effort.
- Reliable and stable.
- Laser switch.
- Electricity cut off memory.
- Tripod mount.
- Low battery warning display.
- Sleep mode.
- Accessories: Instruction manual, battery and soft pouch.

BST-NT17

Technical Specification:

BST-NT17	
Temperature Range	-32°C~1050°C (-26°F~1922°F)
Accuracy	±1.8°C (±4°F) or ±1.8%
Resolution	0.1°C (0.1°F)
Repeatability	0.5% of reading or 1°C (2°F)
Distance to Spot Size	20:1
Response Time	250ms (95% of reading)
Spectral Response	8μm~14μm
Laser Type	Class 2 (II)
Laser Power	<1mW
Laser Wavelength	630nm~670nm
Display Hold	8 seconds
Emissivity	0.10~1.0 Adjustable
Power Source	9V battery x 1
Dimensions	169 x 138 x 53 mm
Weight	322g

Accessories

Soft Pouch

Battery

Ordering Information:

- BST-NT17: High Temperature IR Thermometer -32°C ~ 1050°C.

Safety Standard:

- EN 61326-1:2013, EN 61326-2-2:2013

High Temperature IR Thermometer -32°C ~ 1250°C

BESANTEK High Temperature IR Thermometer is designed to be practical for quick measurements up close or at a distance with non-contact temperature measurements.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Selectable °C or °F.
- Large LCD display.
- Double display backlight.
- Max., min. and DIF temperature readings help quickly identify problems.
- Check starters, fuses and bus connections, enclosed relays, bearings, belts and sheaves, etc.
- It is fast, efficient and easy to use, saving your valuable time and effort.
- Reliable and stable.
- Laser switch.
- Electricity cut off memory.
- Tripod mount.
- Low battery warning display.
- Sleep mode.
- Accessories: Instruction manual, battery and soft pouch.

BST-NT18

Technical Specification:

BST-NT18	
Temperature Range	-32°C~1250°C (-26°F~2282°F)
Accuracy	±1.8°C (±4°F) or ±1.8%
Resolution	0.1°C (0.1°F)
Repeatability	0.5% of reading or 1°C (2°F)
Distance to Spot Size	30:1
Response Time	250ms (95% of reading)
Spectral Response	8μm~14μm
Laser Type	Class 2 (II)
Laser Power	<1mW
Laser Wavelength	630nm~670nm
Display Hold	8 seconds
Emissivity	0.10~1.0 Adjustable
Power Source	9V battery x 1
Dimensions	169 x 138 x 53 mm
Weight	322g

Accessories

Soft Pouch

Battery

Ordering Information:

- BST-NT18: High Temperature IR Thermometer -32°C ~ 1250°C.

Safety Standard:
- EN 61010-1:2010, EN 61010-2-30: 2010

High Temperature IR Thermometer with K Type Thermocouple and USB Interface

BESANTEK High Temperature IR Thermometer is designed to be practical for quick measurements up close or at a distance with non-contact temperature measurements.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Type k thermocouple input.
- USB interface includes software.
- Selectable °C or °F.
- Large LCD display.
- Double display backlight.
- Max., min. and DIF temperature readings help quickly identify problems.
- Check starters, fuses and bus connections, enclosed relays, bearings, belts and sheaves, etc.
- It is fast, efficient and easy to use, saving your valuable time and effort.
- Reliable and stable.
- Laser switch.
- Electricity cut off memory.
- Tripod mount.
- Low battery warning display.
- Sleep mode.
- Accessories: Instruction manual, K type thermocouple, carrying case, CD software, USB cable and battery.

BST-NT19

Technical Specification:

BST-NT19	
IR Temperature	Range: -50°C~1550°C (-58°F~2822°F) Accuracy: ±1.8°C (4°F) or ±1.8%, >600°C: ±3% Resolution: 0.1°C, <10°C: ±0.2°C, >999.9°C: ±1°C
Thermocouple	Range: -50°C~900°C (-58°F~1652°F) Accuracy: ±1°C (2°F) or ±1%
Repeatability	0.5% of reading or 0.5°C
Distance to Spot Size	50:1
Response Time	250ms (95% of reading)
Spectral Response	8μm~14μm
Laser Type	Class 2 (II)
Laser Power	<1mW
Laser Wavelength	630nm ~ 670nm
Display Hold	8 seconds
Emissivity	0.10~1.0 Adjustable
Power Source	9V battery x 1
Dimensions	183 x 147 x 57 mm
Weight	320g

Accessories

CD Software

USB Cable

Battery

K Type Thermocouple

Carrying Case

Ordering Information:

- BST-NT19: High Temperature IR Thermometer with K Type Thermocouple and USB Interface.

Safety Standard:
- EN 61326-1:2013, EN 61326-2-2:2013

BESANTEK IR Thermometer & CFM/CMM Vane Anemometer is designed to measure flow speed, volume flow, temperature and chill temperature as practical handheld. It has been applied to HVAC, paint and facilties maintenance, environmental laboratory utilization systems.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- CFM/CMM Thermo-anemometer with built-in non-contact IR thermometer measures remote surface temperature to 260ºC (500ºF) and 8:1 distance to spot ratio.
- Simultaneous display of air flow or air velocity plus ambient temperature.
- Easy to set area dimensions (cm^2) are stored in the meter´s internal memory for the next power on it.
- 20 Points average for air flow.
- 3% Velocity accuracy via low friction 2.83"D (72mm) ball bearing vane wheel on 3.9ft (120cm) cable.
- Large LCD display, reliable & stable.
- Accessories: Instruction manual, vane sensor with 3.9ft (120cm) cable, 9V battery, protective rubber holster and carrying case.

BST-AFM05

Technical Specification:

BST-AFM05	
Air Velocity	Range: 80~5.900 ft/min, 0.40~30.0 m/s, 1.4~108.0 km/h, 0.9~67.0 MPH, 0.8~58.0 knots Resolution: 1ft/min, 0.01m/s, 0.1km/h, 0.1MPH, 0.1knots Accuracy: ±(3%rdg+40ft/min), ±(3%rdg+0.20m/s), ±(3%rdg +0. 8km/h), ±(3%rdg+0.4MPH), ±(3%rdg+0.4knots)
Air Flow CMM	Range: 0~999999m^3/min Resolution: 0.1 Area: 0~999.9m^2
Air Flow CFM	Range: 0~999999ft^3/min Resolution: 0.1 Area: 0~999.9ft^2
Air Temperature	Range: -10~60°C (14~140°F) Resolution: 0.1°C (0.1°F) Accuracy: ±2°C (4°F)
Infrared Temperature	Range: -50~260 °C (-58~500°F) Resolution: 1°C (1°F) Accuracy: -50~-20°C (-58~-4°F): ±5°C (9°F) - 20~260°C: ±2% reading or ±2°C whichever is greater
Temperature & Humidity	Operating: 0~50°C (32~122°F), <80%RH Storage: -10~60°C (14~140°F), <80%RH
Display	Dual function 13mm (0.5") 4 - digit LCD
Power Source	9V battery x 1
Dimensions	Main instrument: 178 x 74 x 33 mm Sensor head: 70mm (2.75") Diameter
Weight	725g (including battery & probe)

Accessories

Ordering Information:

- BST-AFM05: IR Thermometer & CFM/CMM Vane Anemometer.

CE

Safety Standard:

- EN 61326-1:2013, EN 61326-2-1:2013, IEC 61326-1:2012, IEC 61326-2-1:2012

BESANTEK 5 in 1 Professional Environmental Meter is designed to measure air velocity, airflow, light, humidity, temperature and chill temperature as practical handheld. It has been applied to HVAC, paint and facilities maintenance, environmental laboratory utilization systems.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Multipurpose meter measures flow speed, volume flow, light, humiity, temperature and chill temperature.
- Air velocity measuring units selectable by pressing button on the front panel for five kinds of units.
- Airflow (CFM/CMM) measurement can set the desired area dimension.
- Multi channel display for relative humidity and temperature measured values or air velocity and temperature measured values at the same time.
- Zero button design makes light meter calibration.
- Hold function to freeze the current reading value.
- Accessories: Instruction manual, type K temperature probe and battery.

BST-AFM06

Technical Specification:

BST-AFM06	
Air Velocity	Range: 80~5.910 ft/min, 0.4~30.0m/s, 1.4~108.0km/h, 0.9~67.0MPH, 0.8~58.3knots Resolution: 1 ft/min, 0.1m/s, 0.1km/h, 0.1MPH, 0.1knots Accuracy: ≤20m/s: ±3%F.S., >20m/s: ±4%F.S.
Airflow CMM/CFM	Range: 54.000CMM/1.908.400CFM Resolution: 0.001~1 CMM/0.001~100 CFM Area Setting: CMM 0.001~30.000m^2/CFM 0.01~322.92ft^2
Humidity %RH	Range: 10~95%RH Resolution: 0.1%RH Accuracy: <70%RH ±4%RH, ≥70%RH ±(4%rdg+1.2%RH)
Temperature (Thermistor)	Range: 0~50°C (32~122°F) Resolution: 0.1°C (0.1°F) Accuracy: ±1.2°C (±2.5°F)
Temperature (Type K)	Range: -100~1300°C (-148~2372°F) Resolution: 0.1°C (0.1°F) Accuracy: ±(1%rdg±1°C)/±(1%rdg±2°F)
Light Lux/fc	Range: 0~20,000Lux/0~1,860fc Resolution: 1Lux (0.1fc) Accuracy: ±(5%rdg+8dgt)
Power Source	DC 9 V battery x 1
Dimensions	156 x 60 x 33 mm (6.14 x 2.36 x 1.29 inch)
Weight	160g (battery included)

Accessories

Ordering Information:

- BST-AFM06: 5 in 1 Professional Environmental Meter.

CE

Safety Standard:

- EN 50081-1/EN 55022 (CISPR 22), EN 50082-1/IEC 801-2 (EN61000-4-2), EN 50082-1/IEC 801-3 (EN61000-4-3),

BESANTEK 5 in 1 Professional Environmental Meter is designed to measure air velocity, light, humidity, temperature and chill temperature as practical handheld. It has been applied to HVAC, paint and facilities maintenance, environmental laboratory utilization systems.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- Multipurpose meter measures flow speed, sound, light, humidity, temperature and chill temperature.
- Air velocity measuring units selectable by pressing button on the front panel for five kinds of units.
- Multi channel display for relative humidity and temperature measured values or air velocity and temperature measured values at the same time.
- Zero button design makes light meter calibration.
- Hold function to freeze the current reading value.
- USB interface.
- Accessories: Instruction manual, type k temperature probe, sponge cover, pouch case and battery.

BST-AFM07

Technical Specification:

BST-AFM07	
Air Velocity	Range: 80~5,910 ft/min, 0.4~30.0m/s, 1.4~108.0km/h, 0.9~67.0MPH, 0.8~58.3knots Resolution: 1 ft/min, 0.1m/s, 0.1km/h, 0.1MPH, 0.1knots Accuracy: ≤20m/s: ±3%F.S., >20m/s: ±4%F.S.
Humidity	Range: 10~95%RH Resolution: 0.1%RH Accuracy: <70%RH ±4%RH, ≥70%RH ±(4%rdg+1.2%RH)
Temperature (Thermistor)	Range: 0~50°C (32~122°F) Resolution: 0.1°C (0.1°F) Accuracy: ±1.2°C (±2.5°F)
Temperature (Type K)	Range: -100~1300°C (-148~2372°F) Resolution: 0.1°C (0.1°F) Accuracy: ±(1%rdg±1°C)/±(1%rdg±2°F)
Light (Lux/fc)	Range: 0~20,000Lux/0~1,860fc Resolution: 1Lux (0.1fc) Accuracy: ±(5%rdg+8dgt)
Sound Level (dB)	Range: 35~130dB Resolution: 0.1dB Accuracy: ±1.4dB Frequency: 31.5Hz~8,000Hz
Power Source	DC 1.5V AAA battery x 6 or DC 9V adapter input
Dimensions	248 x 70 x 34 mm (9.8 x 2.8 x 1.3 inch)
Weight	335g (battery included)

Accessories

Ordering Information:

- BST-AFM07: 5 in 1 Professional Environmental Meter.

Safety Standard:

- EN 55022, CISPR 22, EN 61000-4-2, EN 61000-4-3

BESANTEK Sound Level Meters is designed to cover a wide range of applications and performance criteria including noise pollution studies for the quantification of almost any noise, especially for industrial, environmental and aircraft noise.

Features:

- Max. and min. function.
- Over and under range indication.
- 4-digit LCD display with bar graph.
- Frequency weighting characteristic for 2 times per second.
- AC signal output.
- Low battery warning indicator.
- Meets IEC 651 Type 2 & ANIS S1.4 Type 2 standards.
- Accessories: Instruction manual, battery, carry case, adjusting bar and sponge cover.

BST-SL2

Technical Specification:

BST-SL2	
Measuring Ranges	Low: 30dB~80dB Medium: 50dB~100dB High: 80dB~130dB
Resolution	0.1dB
Accuracy	±1.5dB (at reference range)
Analog Signal Output	AC 1Vrms for each range
Reference Sound Level & Frequency	94dB, 1kHz
Detector-Indicator Characteristic	Fast: 125ms Slow: 1s
Operating Temperature & Humidity	0°C~40°C, 90%RH max.
Storage Temperature & Humidity	-10°C~60°C, 75%RH max.
Battery Life	About 70 hours
Power Source	9V x 1 battery
Dimensions	240 (L) x 62 (W) x 39 (D) mm
Weight	Approx. 224g (battery included)

Accessories

Ordering Information:

- BST-SL2: Digital Sound Level Meter.

Safety Standard:

- IEC 651 Type2, ANIS S1.4 Type 2, EN 61326-1

Digital Light Meter

BESANTEK Digital Light Meter used to measure the amount of light. It is used in the general field of lighting, where it can help to reduce the amount of waste light used in the home, light pollution outdoors and plant growing to ensure proper light levels.

Features:

- Wide range for measurments up to 40000lux & 4000fc.
- 0.01lux and 0.001fc resolution for accurate low light level measurements.
- Light sensor cover is included for preserving sensor life.
- Auto off function.
- Data hold and peak hold function.
- Low battery warning indicator.
- Auto-ranged.
- Manual-ranged.
- Calibration mode is provided.
- 9V battery system.
- Selection key for lux and fc.
- The spectral sensitivity close to CIE photopic curve.
- Ideal tool for workplace, clean-room and computer room light testing.
- Accessories: Instruction manual, battery and carry case.

BST-LX2

Technical Specification:

BST-LX2	
Measuring Ranges	39.99/399.9/3999/39990 lux 3.999/39.99/399.9/3999 fc
Accuracy	±(3%rdg+5dgt) calibrated to standard incandescent lamp, 2856°K
Resolution	0.01lux~10lux 0.001fc~1fc
Display	Lux: - 39.99/399.9/3999: 4000 count LCD - 39990: 40000 count LCD Fc: 3.999/39.99/399.9/3999: 4000 count LCD
Photosensor	Silicon photodiode
Operating Temperature & Humidity	0°C~40°C (32°F~104°F), 0~80%RH
Storage Temperature & Humidity	-10°C~50°C (14°F~122°F), 0~80%RH
Power Source	9V battery x 1
Dimensions	194 (L) x 62 (W) x 38 (D) mm
Weight	Approx. 255g (battery included)

Accessories

Ordering Information:

- BST-LX2: Digital Light Meter.

Safety Standard:
- EN 61326-1

Industrial Heavy Duty Light Meter

BESANTEK

BESANTEK Industrial Heavy Duty Light meter is designed to help reduce the amount of wasted light and to ensure proper light levels.

Features:

- Wide range for measurments up to 100,000 Lux (10,000 Fc).
- Selection of lighting type (tungsten, fluorescent, sodium or mercury).
- Records maximum, minimum and average readings with recall.
- Data hold function.
- Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- Auto off function.
- Super large LCD display, easy readout.
- Dual function meter's display.
- Spectrum of photo sensor meets C.I.E..
- Wide measurement both of lux and foot candle measurement.
- Heavy duty and compact housing case.
- Zero adjustment by push button.
- Accessories: Instruction manual, sensor with protective cover and battery.

BST-LX05

Technical Specification:

BST-LX05				
Lux	Range	2000Lux	20000Lux	100000Lux
	Resolution	1Lux	10Lux	100Lux
	Accuracy	±(5%rdg+2d)		
Foot-Candle (Fc)	Range	200Fc	2000Fc	10000Fc
	Resolution	0.1Fc	1Fc	10Fc
	Accuracy	±(5%rdg+2d)		
Sample Time	Approx. 0.4 sec			
Operating Temperature & Humidity	0°C to 50°C (32°F to 122°F), max. 80%RH			
Power Current	Approx. DC 5.3mA			
Power Source	9V DC battery x 1			
Dimensions	Main instrument: 180 x 72 x 32 mm Sensor probe: 85 x 55 x 12 mm			
Weight	Approx. 335g			

Ordering Information:

- BST-LX05: Industrial Heavy Duty Light Meter.

Safety Standard:
- EN 55022, CISPR 22, EN 61000-4-2, EN 61000-4-3

Type K Temperature Probe

BESANTEK Type K Temperature Probe is recommended for basic general purpose temperature applications.

BST-TP01 BST-TP02 BST-TP03 BST-TP04

Technical Specification:

Type K Temperature Probe				
Model	BST-TP01	BST-TP02	BST-TP03	BST-TP04
Measurement Range	-40~250°C (-40°F~482°F)	-40°C~1050°C (-40°F~1922°F)	-40°C~1050°C (-40°F~1922°F)	-50°C~400°C (-58°F~752°F)
Accuracy	±0.4%	±0.75%	±0.4%	±(0.75%+0.5°C)
Dimensions	38" (96.5cm) wire length	10cm tube, 3.2mm dia.	10cm tube, 8mm dia.	sensing head: -15mm dia. Probe length: -120mm

Ordering Information:

- BST-TP01: Type K Thermocouple Probe.
- BST-TP02: Type K Thermocouple Probe.
- BST-TP03: Type K Thermocouple Probe.
- BST-TP04: Type K Surface Probe.

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BESANTEK Corporation, CANADA

BESANTEK

200mbar Differential Manometer

BESANTEK 200mbar Differential Manometer used to measure pressure in pneumatic, compressor and pump installations, valves, tanks and heating, ventilation and air conditioning (HVAC) systems.

Features:

- Dual and differential input, 200mbar max. range.
- Sensor is built inside the housing.
- Single lugs for pipe connection.
- 8 kind display units (mbar, psi, Kg/cm^2, mmHg, inch Hg, meter H2O, inch H2O, Atmosphere) select by push button on the front panel.
- Built-in low battery warning indicator.
- Auto power off.
- Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- Super large LCD display with contrast adjustment for best viewing angle.
- Records maximum and minimum readings with recall.
- Data hold function for stored the desired value on display.
- Zero button on the front panel, easy to offset the zero value.
- Accessories: Instruction manual, carrying case, plug for quick coupling and battery.

BST-PM05

Technical Specification:

BST-PM05								
Range	±200mbar	±0.204Kg/cm^2	±2.9psi	±150mmHg	±5.905inHg	±2.040mH2O	±80.2inH2O	±0.197Atm
Resolution	0.1mbar	0.001Kg/cm^2	0.001psi	0.1mmHg	0.002inHg	0.001mH2O	0.05inH2O	0.001Atm
Accuracy	±2% F.S. at 23±5°C							
Circuit	Microprocessor LSI circuit							
Display	61 x 34 mm large LCD display, 15mm digit size							
Sensor	Sensor is built inside the housing, piezoelectric sensor, used for dry, non-corrosive and non-ionic air and gas only, liquid is prohibited							
Sampling Time	Approx. 0.8 second							
Operating Temperature & Humidity	0°C~50°C (32°F~122°F), less than 80%RH							
Power Current	Approx. DC 6.0mA							
Power Source	DC 9V battery							
Dimensions	180 x 72 x 32 mm							
Weight	Approx. 345g							

Ordering Information:

- BST-PM05: 200mbar Differential Manometer.

Safety Standard:

- EN 55022, CISPR22, EN 61000-4-2, EN 61000-4-3

BESANTEK Laser Photo/Contact Tachometer is designed to be practical and economical handheld.

Features:

- Multi-functions instrument combine photo tach. (RPM) and contact tach. (RPM, m/min, ft/min)
- High visible LCD display gives RPM reading exactly with no guessing or errors and saves battery energy.
- Laser light source for long detection distance.
- Wide measuring range from 0.5 to 100,000RPM.
- Used the exclusive one chip microcomputer LSI circuit and crystal time base, offer the high accurate measurement and fast sampling time.
- 0.1RPM resolution for the measured <1000RPM.
- High precision with 0.05% accuracy.
- The use of durable, long lasting components, including a strong, light weight ABS plastic housing, assures almost maintenance free performance for many years.
- The last value, max. value, min. value will be stored into the memory automatically and can be obtained by pressing memory call button.
- The housing cabinet has been carefully shaped to fit comfortable in either hand.
- Accessories: Instruction manual, carrying case, reflecting tape marks (600mm), RPM adapter (cone), RPM adapter (funnel) surface speed test wheel and battery.

BST-TKM05

Technical Specification:

BST-TKM05	
Measurement Range	Photo Tachometer: 10 to 99,999 RPM Contact Tachometer: 0.5 to 19,999 RPM Surface Speed: 0.05 to 1,999.9 m/min, 0.2 to 6,560 ft/min
Resolution	RPM: 0.1RPM (<1,000RPM), 1RPM (≥1,000RPM) m/min: 0.01m/min (<100m/min), 0.1m/min (≥100m/min) ft/min: 0.1ft/min (<1,000ft/min), 1ft/min (≥1,000ft/min)
Accuracy	± (0.05% + 1digit), RPM only
Detecting Distance	5cm to 200cm typically
Light Source	1mW class 2 laser diode
Time Base	Quartz crystal
Circuit	Exclusive one-chip of microcomputer LSI circuit
Display	5 digits, 10mm (0.4") LCD
Operating Temperature & Humidity	0°C to 50°C (32°F to 122°F), Less than 80%RH
Power Consumption	Photo type: Approx. DC 21mA Contact type: Approx. DC 7mA
Power Source	4 x 1.5V AA batteries
Dimensions	215 x 65 x 38 mm (8.5 x 2.6 x 1.5 inch)
Weight	300g (battery included)

Accessories

Ordering Information:

- BST-TKM05: Laser Photo/Contact Tachometer.

Safety Standard:
- EN 55022, CISPR 22, EN 61000-4-2, EN 61000-4-3

BESANTEK Industrial Heavy Duty Vibration Meter which is designed for measuring the vibration of mechanical equipment, velocity, and acceleration. It can be widely used in mechanical manufacturing, electric power, petroleum chemical industry, metallurgy, aerospace and other fields.

Features:

- Adaptive and highly sensitive sensor with fast response and high accuracy.
- RMS and peak measurment.
- Wide frequency range 10Hz -1kHz.
- Store up to 500 data records.
- Records maximum and minimum reading.
- Data hold function.
- Large LCD display.
- 9V battery operation.
- Heavy duty.
- Recall max./min. reading.
- Auto shut off saves battery life.
- Built-in low battery warning indicator.
- Accessories: Instruction manual, vibration sensor, magnetic base, cable, battery and carrying case.

BST-VM02

Technical Specification:

BST-VM02	
Measuring Range	Velocity: 200mm/s (0.5 to 199.9mm/s) Acceleration: 200m/s² (0.5 to 199.9m/s²) Displacement (P-P): 2mm (0.005 to 1.999mm)
Frequency Range	10Hz to 1kHz
Accuracy	±(5%+5d) reading, 160Hz, 80Hz (23 ± 5°C)
Calibration Point	Velocity: 50mm/s (160Hz) Acceleration: 50m/s² (160Hz) Displacement (P-P): 0.05mm (160Hz)
Sampling Time	Approx. 1 second
Operating Temperature & Humidity	0°C to 50°C (32°F to 122°F), less than 80%RH
Power Consumption	Approx. DC 8mA
Power Source	9V battery x 1
Dimensions	Meter: 180 x 72 x 32 mm, Sensor probe: Round 18mm Dia. x 40mm
Weight	Meter: 230g Probe with magnetic base: 110g

Ordering Information:

- BST-VM02: Industrial Heavy Duty Vibration Meter.
- BST-VMMC: Probe with Sensors & Magnatic Base.
- BST-VMC: Probe.

Safety Standard:
- EN 55022, CISPR 22, EN 61000-4-2, EN 61000-4-3

BESANTEK 2 in 1 Digital Coating Thickness Meter is designed for measurement of ferromagnetic metal base (iron, nickel, etc.) and non ferromagnetic metal base (aluminum, brass, stainless steel, etc.).

Features:

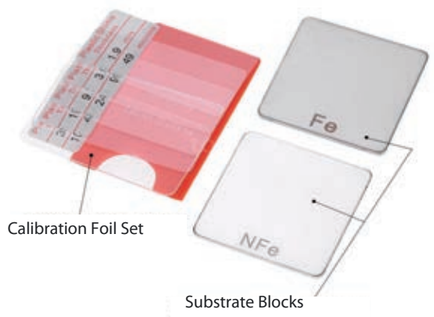
- Integrated 2 in 1 probe.
- Automatic F/NF detection and display of the substrate type.
- LCD display flip for easy reading when the meter is held in reversed direction.
- Auto calibration and auto zero adjustment.
- Data storage for the last 10 measures.
- Large and color 160 x 128 TFT display.
- Automatic power on and off.
- Low battery warning indicator.
- Metric & imperial measurement systems.
- Ideal for use in control of painting, distinguishing crashed cars, etc.
- Accessories: Instruction manual, carrying case, batteries, substrate blocks and calibration foil set.

BST-CTG03

Technical Specification:

BST-CTG03	
Measuring Ranges	0~1250μm/0~50mils (max. 2000μm/80mils for reference)
Resolution	1μm/0.1mils
Accuracy	±3%+2μm (0~1250μm)
Response Times	0.6 sec
Operation Temperature	0~50°C (32~120°F)
Power Source	1.5V x 2, AAA battery
Dimensions	100 x 52 x 29 mm
Weight	68g

Accessories



Ordering Information:

- BST-CTG03: 2 in 1 Digital Coating Thickness Gauge.

Digital Coating Thickness Gauge

Safety Standard:
- EN 61000-6-3: 2007+A1: 2011+AC: 2012, EN 61000-6-1: 2007

BESANTEK 2 in 1 Digital Coating Thickness Meter, is designed for measurement of ferromagnetic metal base (iron, nickel, etc.) and non ferromagnetic metal base (aluminum, brass, stainless steel, etc.).

Features:

- Integrated 2 in 1 probe.
- Automatic F/NF detection and display of the substrate type.
- Continuous and single measurement available.
- Simultaneously display measuring value, average value, max. value, min. value & standard deviation.
- Auto calibration and auto zero adjustment.
- 50 groups of data.
- Brightness adjustable backlight.
- Automatic power on and off.
- Metric & imperial measurement systems.
- Ideal for use in control of painting, distinguishing crashed cars, etc.
- Set higher and lower alarm range for measuring.
- Low battery warning indicator.
- TFT 320 x 240 LCD display.
- Accessories: Instruction manual, Fe/NFe probes, set of plastic test shims and 2 reference calibration plates (steel and aluminum), hard shell storage case and batteries.

BST-CTG04

Technical Specification:

BST-CTG04	
Measuring Range	0~1250μm/0~50mils (max. 2000μm/80mils for reference)
Resolution	1μm/0.1mils
Accuracy	±(2μm+2%)/±(0.1mils+2%)
Surface Curvature	Convex 1.5mm/concave 7mm
Minimum Test Surface	Ø8mm
Minimum thickness of	0.4mm
Response Times	0.6 sec
Probe Length	Approx. 93cm
Operating Temperature	-10°C~50°C (12°F~122°F)
Power Source	1.5V AAA battery x 2
Dimensions	166 x 68 x 30 mm
Weight	Approx. 180g (batteries included)

Accessories

Ordering Information:

- BST-CTG04: 2 in 1 Digital Coating Thickness Gauge with Probe.

Digital Coating Thickness Gauge

Safety Standard:
- EN 61000-6-3: 2007+A1: 2011+AC: 2012, EN 61000-6-1: 2007

Waterproof pH/Temperature Meter

BESANTEK Waterproof pH/Temperature Meter is widely applied to laboratory fields, aquarium, beverage, fish hatcheries, food processing, photography, quality control, school & colleges, swimming pools and water conditions.

Features:

- High accuracy.
- Range: 0.00~14.00 pH.
- Waterproof (standard IP54).
- LCD display (20mm x 27mm).
- Built-in temperature sensor, auto temperature compensation.
- Provided with pH 4.01, pH 7.00 and pH 10.01 buffer.
- Auto calibration for pH 4.01, pH 7.00 and pH 10.01.
- Data hold function for freezing the desired value.
- Friendly easy to use.
- Compact size and light weight.
- Auto power off without operation in 20 minute.
- Microcomputer circuit and intelligent function
- Accessories: Instruction manual, carrying case, buffers and battery.

BST-PH01

Technical Specification:

BST-PH01	
Measuring Range	pH: 0.00~14.00 pH Temperature: 0°C~50°C (32°F~122°F)
Resolution	pH: 0.01pH Temperature: 0.1°C (0.1°F)
Accuracy	pH: ±0.02pH (after calibration) Temperature: ±0.8°C (±1.5°F)
pH Calibration	pH 4.01, 7.00, 10.01, 3 points calibration
Operating Humidity	Less than 80%RH
Power Source	1.5V battery LR44 x 4
Dimensions	188 x 40 x 35 mm (meter with pH electrode)
Weight	82g (electrode included)

Accessories

Ordering Information:

- BST-PH01: Waterproof pH/Temperature Meter.

Safety Standard:
- EN 61000-6-1: 2007, EN 61000-6-3: 2007

BESANTEK

Waterproof TDS/Temperature Meter

BESANTEK Waterproof TDS/Temperature Meter is widely applied to laboratory fields, aquarium, beverage, fish hatcheries, food processing, photography, quality control, school & colleges, swimming pools and water conditions.

Features:

- High accuracy.
- Range: 0.00 - 1000 ppm.
- Waterproof (standard IP54).
- LCD display (20mm x 27mm).
- Temperature measurement.
- Built-in temperature sensor, auto temperature compensation.
- Data hold function for freezing the desired value.
- Friendly easy to use.
- Compact size and light weight.
- Auto power off without operation in 20 mins.
- Microcomputer circuit and intelligent function.
- Accessories: Instruction manual, carrying case and battery.

BST-TDS01

Technical Specification:

BST-TDS01	
Measuring Range	TDS: 0 to 1000 ppm Temperature: 0 to 50 °C (32 to 122 °F)
Resolution	TDS: 1ppm Temperature: 0.1°C (0.1°F)
Accuracy	TDS: ±2ppm +1% FS (after calibration) Temperature: ±1°C (±2°F)
TDS Calibration	706ppm, 1 points calibration
Operating Humidity	Less than 80%RH
Power Source	1.5V battery LR44 x 4
Dimensions	188 x 40 x 35 mm meter with TDS electrode
Weight	82g (electrode included)

Accessories

Ordering Information:

- BST-TDS01: Waterproof TDS/Temperature Meter.

Water Test

Safety Standard:
- EN 61000-6-1: 2007, EN 61000-6-3: 2007

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