

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. ($\geq 30V_{ac}$ or $\geq 30V_{dc}$).
- 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.

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.



BST-IT815



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