

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 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.
- 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 ($\pm 0.5\%$ vol) >5.0~30.0 %vol ($\pm 0.9\%$ vol)
	H2S 0~50 ppm (± 3 ppm) >50~100 ppm (true value $\pm 10\%$)
	CO 0~20 ppm (± 2 ppm) >20~100 ppm (± 4 ppm) >100~500ppm (true value $\pm 5\%$) >500~1000 ppm (true value $\pm 6\%$)
	CH4 0.00~1.00 %vol ($\pm 0.10\%$ vol) 1.00~3.00 %vol (true value $\pm 10\%$) 3.00~5.00 %vol ($\pm 0.30\%$ vol)
	LEL 1~20 %LEL ($\pm 2\%$ LEL) 20~60 %LEL (true value $\pm 2\%$) 60~100 %LEL ($\pm 6\%$ LEL)
Resolution Ratio	O2 0.1%vol
	H2S 1ppm
	CO 1ppm
	CH4 0.01%vol
	LEL 1%LEL
Response Time	O2 $\leq 35s$ (T90)
	H2S $\leq 45s$ (T90)
	CO $\leq 45s$ (T90)
	CH4 $\leq 20s$ (T90)
	LEL $\leq 20s$ (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 ≥ 85 dB at 1m audible - Visible: flashing red LED ≥ 20 m visible - Vibration
Alarm Point	High and low, fully adjustable
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 x 70 x 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