

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 ($\pm 0.5\%$ 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
H2S		1 ppm
CO		1 ppm
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	
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 x 70 x 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