

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 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 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 and visible alarm.
- High and low alarm point and fully adjustable.
- 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.
- 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-MG06



Technical Specification:

| BST-MG06 | | |
|---------------------|--|---|
| 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 $\geq 85dB$ at 1m audible Visible: flashing red LED $\geq 20m$ visible | |
| Alarm Point | High and low, fully adjustable | |
| Working Current | 95mA | |
| Data Logging | Continuous data logging (7 days at configurable 0.1-10 minutes intervals) | |
| Protection Level | IP65 | |
| Display | Liquid crystal display (LCD) | |
| Working Temperature | -25°C to 55°C, short time: -40°C to 55°C | |
| Continuous Working | ≥ 13 hours | |
| Battery | 3.7V/1500mA | |
| Charging Time | 4-5 hours | |
| Dimensions | 130 × 66 × 30 mm | |
| Weight | 220g | |

Accessories



Air Pump

Ordering Information:

- BST-MG06: Multi-Gas Detector DataLogger with Air Pump.

Safety Standard:

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