

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 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 & 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.
- Accessories: Instruction manual, USB cord, adapter, calibration cap and tube, belt clip, leather case, hanging cord and carrying case.



BST-MG07

Technical Specification:

BST-MG07

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| 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%vol |
| Sensor | 3 Electrochemical + 1 catalytic sensor |
| Sensor Lifetime | ≥ 2 year: CO, O2 and H2S ≥ 1 year: LEL and CH4 |
| Response Time | O2: $\leq 35s$ (T90) H2S: $\leq 45s$ (T90) CO: $\leq 45s$ (T90) CH4: $\leq 20s$ (T90) LEL: $\leq 20s$ (T90) |
| Alarms | Audible: buzzer with ≥ 80 dB audible Visible: flashing red LED ≥ 20 m visible |
| Alarm Point | Fully adjustable |
| Working Current | 95mA |
| Protection Level | IP65 |
| Display | Liquid crystal display (LCD) |
| Working Temperature | -25 to 55 °C, short time: -40 to 55 °C |
| Continuous Working | ≥ 13 hours |
| Battery | 3.7V/1500mA |
| Charging Time | 4-5 hours |
| Dimensions | 130 × 66 × 30 mm |
| Weight | 500g |

Accessories



Ordering Information:

- BST-MG07: Multi-Gas Detector.