

BM25 MULTIGUARD

Transportable Multi-Gas Area Monitor



“Plug and Play” Sensors Available:

O₂, CO, H₂S, %LEL, SO₂, NO,
NO₂, HCN, HCl, Cl₂, ETO, PH₃,
AsH₃, SiH₄, CO₂, H₂, NH₃,

- 1 to 5 gases
- Interchangeable “smart” sensors
- Run-time greater than 100 hours
- Dry contact alarm and fault outputs
- Standard data logging
- Ultra-bright flashing beacon
- Powerful audible alarm (103 dB @ 1m)
- Manual panic alarm
- Wired Interconnection with other BM25 units
- ATEX certified
- Intrinsically safe charging in hazardous locations

Capable of monitoring from one to five gases through diffusion or sample draw, the BM25 Multiguard packs the benefits of a fixed-system area monitor into an easily transportable, yet rugged instrument.

Designed for team protection or area surveillance, the unit is most suitable for perimeter monitoring, rig overhauls, and mobile or short-term work in areas where fixed detection systems are not suitable.

There are 17 interchangeable “smart” sensor options available for the BM25, making the system easily adaptable to a variety of applications and industries. When the BM25 detects a hazardous level of oxygen, toxic or combustible gas, the top-mounted beacon sends a flashing, bright signal in all directions while emitting a powerful, 103 dB siren alarm.

The BM25 can be used as a stand-alone monitor or wired so that alarm signals transfer from one unit to another. This setup can create a safety perimeter around a detected atmospheric hazard, or transmit a manually initiated emergency signal over a wide area.

The BM25 comes standard with a NiMH battery pack offering 100 hours of continuous run time. Long-term area monitoring is possible in hazardous locations with an intrinsically safe trickle charge power supply. Also standard are STEL and TWA readings and nearly four months of datalogging capacity for a five-gas configuration.

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SPECIFICATIONS

Case Material:

Impact resistant polycarbonate

Dimensions:

425 mm x 160 mm x 130 mm (16.7" x 6.3" x 5.1")

Sensors:

Combustible gas – Catalytic Diffusion
Oxygen and Toxic gases – Electrochemical
CO₂ – Infrared

Measuring ranges:

Combustible Gases: 0-100% LEL in 1% increments
Oxygen: 0-30% of volume in 0.1% increments
Carbon Monoxide 0-1,000 ppm in 1 ppm increments
Hydrogen Sulfide 0-100 ppm in 1 ppm increments
Hydrogen 0-2,000 ppm in 1 ppm increments
Sulfur Dioxide 0-30 ppm in 0.1 ppm increments
Chlorine 0-10 ppm in 0.1 ppm increments
Nitrogen Dioxide 0-30 ppm in 0.1 ppm increments
Nitric Oxide 0-300 ppm in 1 ppm increments
Hydrogen Chloride 0-30 ppm in 0.1 ppm increments
Hydrogen Cyanide 0-10 ppm in 0.1 ppm increments
Ammonia 0-1,000 ppm in 1 ppm increments
Phosphine 0-1 ppm in 0.01 ppm increments
Arsine 0-1 ppm in 0.01 ppm increments
Silane 0-50 ppm in 0.1 ppm increments
Ethylene Oxide 0-30 ppm in 0.1 ppm increments
Carbon Dioxide 0-5% of volume in 0.1% increments

Weight:

6.8 kg (15 lbs)

Display:

Graphic liquid crystal display w/backlight

Datalogging Capacity:

700 hours w/5 gases

Audible Alarm:

103 dB @ 1 meter

Visual Alarm:

Ultrabright LED beacon visible 360 degrees

Operating Temperature Range:

-20°C to +50°C (-4°F to +122°F) typical

Operating Humidity Range:

15%-95% non-condensing (continuous) typical

Power Source/Run time:

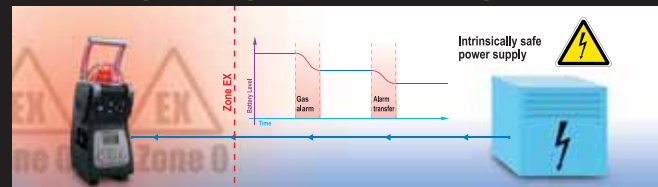
Nickel-Metal Hydride/100 hours typical

Recharge Time:

4.5 hours typical

Certifications:

IECEX/ATEX EEx ia d IIC T4

Stand alone**Alarm transfer and safety perimeter****With a manual call point****Trickle charge for long term area monitoring**

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