

## BM25



- Intrinsically safe detector
- Powerful audible alarm (103 dB @ 1m)
- Ultra-bright flashing signal (viewable at 360°)
- Run time up to 170 hours
- Over 4-month datalogging capacity
- Easily transportable: less than 7 kilos

The BM25 packs the benefits of a fixed system area monitor into a rugged, user-friendly and transportable instrument. It was designed to detect one to five gases for mobile or temporary work applications, team protection, area surveillance, or places where fixed detection systems are not suitable.

Powered by a NiMH battery pack, the BM25 offers up to 170 hours of continuous run time. Other standard features include STEL and TWA values, as well as a datalogging capacity of over four months.

Multiple units can be grouped using optional alarm transfer kits. This protects larger areas by transferring alarms from one BM25 to the next. An intrinsically safe trickle charger is also available for long-term area monitoring in classified zones.

The BM25 is durable and versatile. It is suitable for a wide range of industries including refineries and pharmaceutical production. Applications include turnaround work sites, rig overhauls and fence-line surveillance.

### “Plug and Play” Sensors Available:

**O<sub>2</sub>, CO, H<sub>2</sub>S, %LEL, SO<sub>2</sub>, NO, NO<sub>2</sub>, HCN, HCl, Cl<sub>2</sub>, ETO, PH<sub>3</sub>, AsH<sub>3</sub>, SiH<sub>4</sub>, CO<sub>2</sub>, H<sub>2</sub>, NH<sub>3</sub>, PID**

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**Case Material:**

Impact resistant polycarbonate

**Dimensions:**

470 mm x 180 mm x 190 mm (16.7" x 7.1" x 7.5")

**Sensors:**

Combustible Gas – Catalytic Diffusion  
 Oxygen and Toxic Gases – Electrochemical  
 CO<sub>2</sub> – Infrared  
 Isobutylene – PID

**Weight:**

6.8 kg (15 lbs)

**Display:**

Graphic liquid crystal display w/backlight

**Datalogging Capacity:**

700 hours w/5 gases

**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  
 Isobutylene: 0-2,000 ppm in 1 ppm increments

**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

**Stand alone**

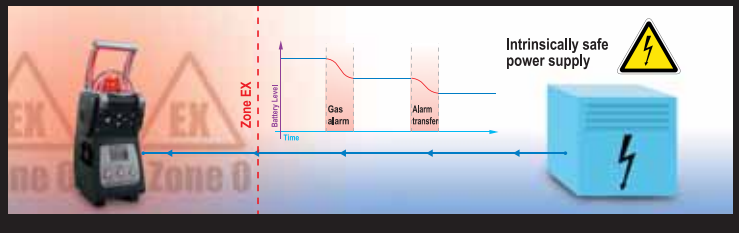


- Ultrabright flashing beacon
- Powerful audible alarm (103 dB @ 1m)
- Run-time greater than 100 hours

**Alarm transfer and safety perimeter**



**Trickle charge for long term area monitoring**



**Power Source (Run Time):**

NiMH (170 hours, typical)

**Recharge Time:**

4.5 hours, typical

**Certifications:**

Atex – II 1 G EEx ia IIC T4  
 I M1 EEx ia I  
 CSA – Class I, Groups A,B,C,D T4; Ex ia d IIC T4;  
 C22.2 No. 152 (excluding aspirated and PID sensor configurations)