

Transportable Multi-Gas Area Monitor

Gas Monitoring Solutions

BM25



- Longer lifetime with the XP IR sensor
- Intrinsically safe detector
- Powerful audible alarm (103 dB @ 1m)
- Ultra-bright flashing signal (viewable at 360°)
- Run time of up to 170 hours
- More than 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 more than 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:

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



The Gas Detection People

**INDUSTRIAL
SCIENTIFIC**

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Case Material:

Impact resistant polycarbonate

Dimensions:

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

Sensors:

Combustible Gas – Catalytic Diffusion
 Methane, Propane, Butane, Isobutane, LPG, Ethanol, Pentane –
 Infrared
 Oxygen and Toxic Gases – Electrochemical
 CO₂ – Infrared
 Isobutylene – PID

Weight:

6.8 kg (15 lbs)

Display:

Graphic liquid crystal display with backlight

Datalogging Capacity:

700 hours with 5 gases

Measuring ranges:

Combustible Gases: 0-100% LEL in 1% increments
 Methane: 0-100% LEL in 1% increments – Infrared
 Methane: 0-100% of volume in 1% increments – Infrared
 Propane: 0-100% LEL in 1% increments – Infrared
 Butane: 0-100% LEL in 1% increments – Infrared
 Isobutane: 0-100% LEL in 1% increments – Infrared
 LPG: 0-100% LEL in 1% increments – Infrared
 Ethanol: 0-100% LEL in 1% increments – Infrared
 Pentane: 0-100% LEL in 1% increments – Infrared
 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:

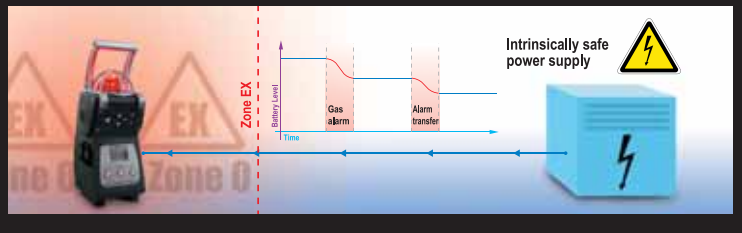
Ultrabright LED beacon visible 360 degrees

Operating Temperature Range:

-20°C to 50°C (-4°F to 122°F) typical

Stand alone

Alarm transfer and safety perimeter

Trickle charge for long term area monitoring

Operating Humidity Range:

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

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
 or (when used with IR flameproof sensor)
 II 2 G / EEx ia d IIC T4
 I M2 / EEx ia d I
IECEx : Ex ia IIC T4 / Ex ia I (BM25 without IR sensor)
 Ex ia d IIC T4 / Ex ia I (BM25A without IR sensor)
 or (when used with IR flameproof sensor)
 Ex ia d IIC T4 / Ex ia d I (BM25 and BM25A)
CSA: Class I, Groups A,B,C,D T4; Ex ia d IIC T4;
 C22.2 No. 152 (excluding aspirated, XP IR and PID sensor configurations)
INMETRO: BR-Ex iad I/IIC T4 (excluding XP IR and PID sensor configurations)