

TRANSPORTABLE MULTI-GAS AREA MONITOR

BM 25



- 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 BM 25 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 BM 25 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 BM 25 to the next. An intrinsically safe trickle charger is also available for long-term area monitoring in classified zones.

The BM 25 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, etc.



BM 25

INSTRUMENT WARRANTY:

Two-year warranty, excluding consumables (sensors, filters, etc.)

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

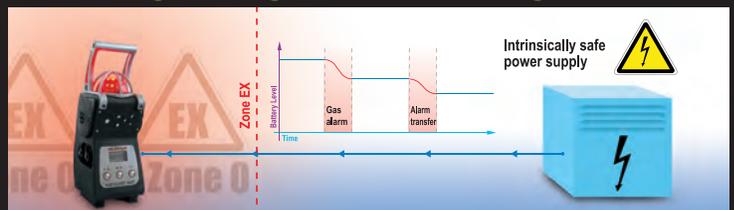


- Ultrabright flashing beacon
- Powerful audible alarm (103 dB @ 1m)
- Run-time up to 170 hours

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 maximum operating time, 100 hours typical)

RECHARGE TIME:

4.5 hours, typical

CERTIFICATIONS:

- ATEX:** BM 25 without IR sensor
 II 1 G / Ex ia IIC T4; I M1 / Ex ia I
 BM 25 with IR sensor
 II 2 G / Ex ia d IIC T4; I M2 / Ex ia d I
 BM 25 A
 II 2 G / Ex ia d IIC T4; I M2 / Ex ia d I
- IECEx:** BM 25 without IR sensor
 Ex ia IIC T4 / Ex ia I
 BM 25 with IR sensor
 Ex ia d IIC T4 / Ex ia d I
 BM 25 A
 Ex ia d IIC T4 / Ex ia d I
- 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)

