

# 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:

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, XP IR, etc.



### Detection, Protection, Innovation



**GMI. CONFIDENCE WHERE SAFETY IS CRITICAL.** Gas Measurement Instruments designs, manufactures and markets a wide range of the highest quality proven personal portable and fixed gas monitoring systems. GMI is an international brand with a worldwide network of distributors and dedicated service centers ensuring fast and effective turnaround on instrument calibration and repair. Our uncompromising engineering excellence, established in over half a century of leadership, enables us to meet the exacting demands of industries where safety is critical. By building and maintaining strong relationships with our customers, GMI understands the unique challenges of the diverse markets we serve. Today, our proud heritage of pioneering gas leak monitors and detectors is shaping the future of GMI.



# BM 25

## SPECIFICATION

<b>Instrument Warranty:</b>	Two-year warranty, excluding consumables (sensors, filters, etc.)
<b>Case Material:</b>	Impact resistant polycarbonate
<b>Dimensions:</b>	470 x 180 x 190 mm (16.7" x 7.1" x 7.5")
<b>Sensors:</b>	Combustible Gas - Catalytic Diffusion Methane, Propane, Butane, Isobutane, LPG, Ethanol, Pentane - Infrared Oxygen and Toxic Gases - Electrochemical CO <sub>2</sub> - Infrared Isobutylene - PID
<b>Weight:</b>	6.8 kg (15 lbs)
<b>Display:</b>	Graphic liquid crystal display with backlight
<b>Datalogging Capacity:</b>	700 hours with 5 gases
<b>Measuring Ranges:</b>	Combustible Gases: Methane: 0-100% LEL in 1% increments Methane: 0-100% LEL 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 Sulphide: 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
<b>Audible Alarm:</b>	103 db @ 1 metre
<b>Visual Alarm:</b>	Ultrabright LED beacon visible 360 degrees
<b>Operating temperature range:</b>	-20°C TO 50°C (-4°F to 122°F) typical

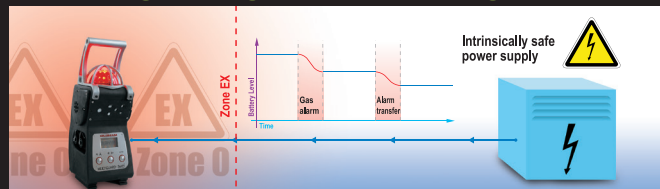
## Stand alone



## Alarm transfer and safety perimeter



## Trickle charge for long term area monitoring



## SPECIFICATION

<b>Operating Humidity Range:</b>	15%-95% non-condensing (continuous) typical
<b>Power Source (Run time):</b>	NiMH (170 hours maximum operating time, 100 hours typical)
<b>Recharge Time:</b>	4.5 hours, typical
<b>Certification:</b>	<p><b>ATEX:</b></p> <p>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 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</p> <p><b>IECEx:</b></p> <p>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</p> <p><b>CSA:</b></p> <p>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)</p>



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BM 25 product brochure Part No. 99445

Issue 1 Jan 2014