

# GMI



# *First Responder*



***Combination Instrument . .***

***. . for First Call and  
Emergency Response  
Technicians***

The GMI First Responder is a combustible gas indicator designed for emergency response technicians in the gas industry. This instrument combines quality, ruggedness and advanced GMI Technology in a user friendly, portable gas detector.

## ***FEATURES***

- /// PPM , LEL and Volume flammable gas ranges for leak detection and general safety monitoring. Carbon Monoxide range for internal atmosphere monitoring
- /// Probe mounted Semiconductor Sensor (Range 0 - 10,000 ppm), providing instant response leak detection with audible / visual 'Ticker' (Geiger) alarm indication
- /// Simple four button operation allowing access to all features
- /// Automatic and manual datalogging
- /// Integral pump with pressure sensor for flow fail detection with sample path protected by hydrophobic filter
- /// Comprehensive range of probes and accessories available
- /// Rugged polypropylene case, sealed to IP54 rating
- /// Rechargeable or alkaline battery options
- /// Fully certified to international standards

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Distributor

### Typical Measuring Ranges

- 0 to 10,000 ppm Flammable EXT Range (External Semiconductor Sensor)
- 0 to 1000 ppm Flammable
- 0 to 100% LEL
- 0 to 100% Volume Gas
- 0 to 1000 ppm Carbon Monoxide (CO)
- Note: Hydrogen Sulphide (H<sub>2</sub>S) and Oxygen (O<sub>2</sub>) are available on request.

### Display

LCD with automatic backlighting

### Resolution

ppm:	0 to 1000 ppm	5 ppm
LEL:	0 to 10%	0.1%
	10 to 100%	1%
Volume Gas:	0 to 100%	1%
CO:	0 to 1000 ppm	1 ppm
EXT:	0 to 1000 ppm	1 ppm
	1000 to 9999 ppm	10 ppm

### Alarms

- Highly visible flashing LED
- Sounder in excess of 80dB(A), typically 85dB(A) @ 1M
- Ticker (Geiger) in ppm Flammable and EXT ranges

### Datalogging

Both automatic and manual

### Physical Properties

- Weight: 1.7kg. (3.75lbs.) with alkaline batteries
- Dimensions: 180 x 75 x 36 mm. (7.1 x 3.7 x 4.1 ins.)

### Construction / Protection Rating

Moulded polypropylene case protected to IP54

### Power Supply

4 'D' size Alkaline Cells or Rechargeable Battery Pack

### Battery Life

- Alkaline: 18 Hours (12 Hours with External Semiconductor Sensor probe connected) at 20°C (68°F)
- Rechargeable (NiCd): In excess of 8 Hours at 20°C (68°F)

### Expected Sensor Life

- Flammable (LEL / VOL): 5 Years
- CO: 2 Years

### Environment

- Temperature Limits -20°C to +50°C (-4°F to +122°F)
- Humidity: 0 to 95% R.H. non-condensing

### Certification

ATEX II 2G EEx iad IIB T3

UL 913 Class I Groups C and D

**CoGDEM**  
The Council of Gas Detection and Environmental Monitoring



As an ISO 9001 approved company, GMI Ltd's quality assurance programmes demand the continuous assessment and improvement of all GMI products. Information in this leaflet could thus change without notification and does not constitute a product specification. Please contact GMI or their representative if you require more details.

### Ordering Information

Description	Part No.	
First Responder (Alkaline)	<b>44526G</b>	<input type="checkbox"/>
First Responder (Rechargeable)	<b>44526GR</b>	<input type="checkbox"/>

Note: Both instruments are supplied calibrated for Methane and complete with - Carrying Case ; 4mm Hex. Driver ; Carrying Harness ; Quick Operation Guide ; Probe Handle c/w Filters ; Small Plastic Probe (Solid End) ; Cotton Particulate Filters (Box of 10) ; 1.5m (4ft.10ins.) Clear Sample Line ; First Responder Documentation - Compact Disk ; Dust Cap - Flexi Probe Connection.

Accessories	Part No.	
Standard Charger (240V Power Supply)	<b>13184</b>	<input type="checkbox"/>
Standard Charger (220V Power Supply)	<b>13317</b>	<input type="checkbox"/>
Standard Charger (110V Power Supply)	<b>13322</b>	<input type="checkbox"/>
Smart Charger c/w Datalogging 240V	<b>13100</b>	<input type="checkbox"/>
Smart Charger c/w Datalogging 220V	<b>13440</b>	<input type="checkbox"/>
Smart Charger c/w Datalogging 110V	<b>13340</b>	<input type="checkbox"/>
Confined Space Clip / Wrist Strap	<b>65213</b>	<input type="checkbox"/>
Rechargeable Battery Pack	<b>13000</b>	<input type="checkbox"/>
Manual Calibration Software (Win.)	<b>13703</b>	<input type="checkbox"/>
Comms Adaptor	<b>12552</b>	<input type="checkbox"/>
Large Plastic Probe - Solid End	<b>12393</b>	<input type="checkbox"/>
Semiconductor Sensor (Flexi) Probe c/w Filter Disc	<b>42200</b>	<input type="checkbox"/>
Filter Disc (use with 42200)	<b>42197</b>	<input type="checkbox"/>
Probe (Yellow) End Cap (use with 42200)	<b>42187</b>	<input type="checkbox"/>
Carry Pouch (use with 42200)	<b>42169</b>	<input type="checkbox"/>
Semiconductor Survey (Bellows) Probe c/w Dust Filter	<b>42444</b>	<input type="checkbox"/>
Water Filter c/w Filter (use with 42444)	<b>42416</b>	<input type="checkbox"/>
Probe Handle	<b>13561</b>	<input type="checkbox"/>
Water Filter c/w Filter (use with 13561)	<b>42183</b>	<input type="checkbox"/>
Dust Filter c/w Filter (use with 13561)	<b>42184</b>	<input type="checkbox"/>
Bellows Probe (use with 13561)	<b>13563</b>	<input type="checkbox"/>
Swan Neck Probe c/w shroud (use with 13561)	<b>13655</b>	<input type="checkbox"/>
Probe Adaptor (use with 13563, 13565, 13413)	<b>13562</b>	<input type="checkbox"/>
Stainless Steel Flue Probe (use with 12481)	<b>13413</b>	<input type="checkbox"/>
Coalescing Filter Assy. (use with 13413)	<b>42215</b>	<input type="checkbox"/>
Coalescing Filter (use with 42215)	<b>75174</b>	<input type="checkbox"/>
Hydrophobic Filter (use with 12481, 42183, 42416)	<b>12358</b>	<input type="checkbox"/>
Dust Filter - Box of 20 (use with 42184, 42444)	<b>42388</b>	<input type="checkbox"/>
Probe Sealing Washer (use with 42183, 42184, 42444, 42416)	<b>12379</b>	<input type="checkbox"/>
Probe Washer (use with 42183, 42184, 42444, 42416)	<b>42235</b>	<input type="checkbox"/>

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