

The Multi-Function Gas Detector

The GMI - GT range of instruments combine quality, ruggedness and advanced GMI Technology in a user friendly, hand held gas detector. The multi-application GT series will satisfy all your gas detection requirements in a single, easy to use instrument.

LEAK TEST

CONFINED SPACE

BARHOLE

CARBON MONOXIDE

PURGE

SNIFFER

PRESSURE



FEATURES

- ◆ Multi-application Gas Detector.
- ◆ PPM , LEL and Volume flammable gas ranges for leak detection.
- ◆ 0 - 60in. (150mBar) Water Gauge for tightness testing.
- ◆ Manual / Automatic datalogging.
- ◆ Audible / Visual 'Ticker' (Geiger) indication on ppm range.
- ◆ Loud audible and high visibility alarms.
- ◆ Large button operation with simple display prompts.
- ◆ Integral flashlight.
- ◆ Alkaline or Rechargeable battery options. Charging via simple plug or docking station.
- ◆ Rugged polycarbonate case, sealed to IP54 rating and suitable for outdoor use.

Designed for us by you . . . The *Gas Technicians*



LEAK TEST 00 100

345 26

PPM CH4 PPM CO

TICKER

MAX ↑↓ ZERO

SNIFFER 00 100

128

PPM CH4

TICKER

↑↓ ZERO

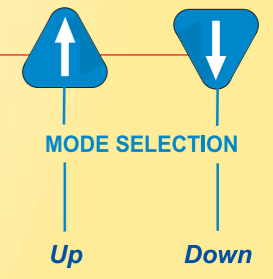
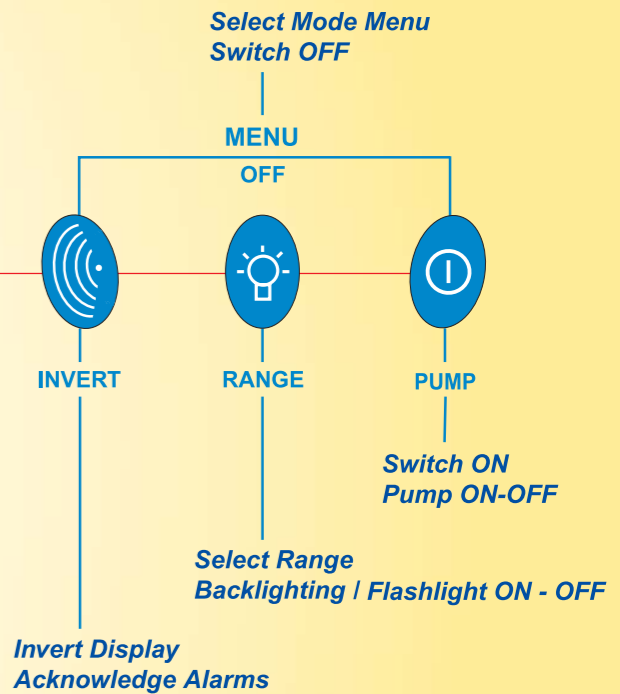
BARHOLE 1 00 100

TIME LEFT: 13 S

13 7

% LEL PEAK % LEL ACTUAL

STOP



Instrument Ranges

- 0 - 10,000 ppm Flammable
- 0 - 100% LEL Flammable
- 0 - 100% VOL Flammable
- 0 - 25% Oxygen
- 0 - 2000 ppm Carbon Monoxide
- 0 - 100 ppm Hydrogen Sulphide
- 0 - 60" (150 mBar) Water Gauge

Application Modes

- Leak Test
- Confined Space
- Barhole
- CO
- Purge
- Sniffer
- Pressure



GMI**HEATH
CONSULTANTS**

SPECIFICATION

Measuring Ranges

- 0 to 10,000 ppm Flammable (Semiconductor Sensor)
- 0 to 100% LEL Flammable
- 0 to 100% Volume Gas Flammable
- 0 to 25% Oxygen (O₂)
- 0 to 2000 ppm Carbon Monoxide (CO)
- 0 to 100 ppm Hydrogen Sulphide (H₂S)
- 0 to 60 in. (0 to 150 mBar) Water Gauge

Display

LCD with backlighting

Resolution

ppm	0 to 10000	1 ppm
LEL	0 to 10%	0.1%
	10% to 100%	1%
Vol Gas	0 to 100%	1%
Oxygen	0 to 25%	0.1%
Carbon Monoxide	0 to 2000 ppm	1 ppm
Hydrogen Sulphide	0 to 100 ppm	1 ppm
Water Gauge	0 to 60 in. H ₂ O	0.1 in.
	or 0 to 150 mBar	1 mBar

Alarms

Highly visible flashing LED's on both sides of casing
Sounder in excess of 80dB(A), typically 85dB(A)@12in.

Sampling System

Integral pump with pressure sensor for flow fail detection. Sample path is protected by hydrophobic filter.

Physical Properties

Weight (Incl. Probe and Batteries): 0.78 kg (1.7 lbs)
Dimensions (Excl. Probe): 290mm (11.4in) x 95mm (3.7in) x 55mm (2.2in)

Construction / Protection Rating

Moulded polycarbonate / ABS case protected to IP54

Power Supply

3 x (LR14) Alkaline or (GP350) Rechargeable Batteries

Battery Life

Alkaline 8 Hours
Rechargeable 8 Hours

Environment

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

Certification



UL 913 Class I Groups C and D

ATEX (Ex) II 2G EEx ia d IIB T3

**CoGDEM**
Member of the UK Civil Aviation Authority
Approved for Airworthiness

Certificate No. G20790

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.
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Ordering Information

Instrument Only

Instrument Only	Part No.	<input type="checkbox"/>
GT-40 PPM / LEL / GAS / CO	67400	<input type="checkbox"/>
GT-41 PPM / LEL / GAS / O ₂	67410	<input type="checkbox"/>
GT-42 PPM / LEL / GAS / CO / O ₂	67420	<input type="checkbox"/>
GT-43 PPM / LEL / GAS / CO / O ₂ / H ₂ S	67430	<input type="checkbox"/>
GT-44 PPM / LEL / GAS	67440	<input type="checkbox"/>

Note: The above instruments are supplied with - User Handbook ; Quick Operating Instructions ; Calibration Certificate ; Configuration Report

Instrument c/w Case & Accessories

GT-40 PPM / LEL / GAS / CO	67401	<input type="checkbox"/>
GT-41 PPM / LEL / GAS / O ₂	67411	<input type="checkbox"/>
GT-42 PPM / LEL / GAS / CO / O ₂	67421	<input type="checkbox"/>
GT-43 PPM / LEL / GAS / CO / O ₂ / H ₂ S	67431	<input type="checkbox"/>
GT-44 PPM / LEL / GAS	67441	<input type="checkbox"/>

Note: The above instruments are supplied in a carrying case with - Solid End Probe ; Probe Filter (Box of 4) ; Whist Strap ; 0.5 Metre (20ins) Tygon Sample Line ; User Handbook ; Quick Operating Instructions ; Calibration Certificate ; Configuration Report

Accessories

Carrying Case	67108	<input type="checkbox"/>
Hydrophobic Probe Filter - Box of 4	67259	<input type="checkbox"/>
35cm. (14ins) Solid End Probe	12480	<input type="checkbox"/>
80cm. (32ins) S/End (Barhole) Probe	12393	<input type="checkbox"/>
Stainless Steel (Flue) Probe	67185	<input type="checkbox"/>
Chemical Filter Assy	67142	<input type="checkbox"/>
Colour Indicated Silica Gel - Bottle	67205	<input type="checkbox"/>
Filter Disc - Filter Housing (for 67142)	67138	<input type="checkbox"/>
Filter Disc - Filter Adaptor (for 67142)	67199	<input type="checkbox"/>
Sample Line (Tygon) - per metre	12712	<input type="checkbox"/>
Cotton Filter Assy	67196	<input type="checkbox"/>
Cotton Filter - Box of 10 (for 67196)	10077	<input type="checkbox"/>
Whist Strap	67095	<input type="checkbox"/>
Protective Rubber Boot	67120	<input type="checkbox"/>
Standard Charger (Universal Plug)	67134	<input type="checkbox"/>
12V / 24V Vehicle Charger	66206	<input type="checkbox"/>
Charging Station (requires power supply)	67101	<input type="checkbox"/>
Auto Calibration Station (Mixed Gases)	67102	<input type="checkbox"/>
Auto Calibration Station (Indiv. Gases)	67109	<input type="checkbox"/>
Power Supply (for 67101 /02 /09)	14613	<input type="checkbox"/>
12V Vehicle Pwr Sply (for 67101 /02 /09)	12988	<input type="checkbox"/>
24V Reduction Box (for 67101 /02 /09)	67233	<input type="checkbox"/>
Wall Mount Storage Clip	67281	<input type="checkbox"/>
Pressure Tubing Connector	67914	<input type="checkbox"/>
GT Config. & Field Calibration CD	67160	<input type="checkbox"/>
GTCal System Package	67238	<input type="checkbox"/>
GT Data Downloading Package	67164	<input type="checkbox"/>
GT Set-up Software Package	67216	<input type="checkbox"/>
USB Serial Adaptor	66209	<input type="checkbox"/>

For a comprehensive list of probes, accessories and calibration gases, contact your local Distributor or alternatively, GM Ltd

CH₄
O₂
H₂S**HEATH
CONSULTANTS**Heath Consultants
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