

GT 40™ Series



One rugged instrument with 7 measurement modes to get the job done.

- 1 Leak test mode measures methane in three different distinct ranges (ppm/LEL/%Volume). Autoranging between all three ranges, audible, visual, and geiger alarms, and ergonomical design allows for easy one handed operation. Also ideal for carbon monoxide investigations.
- 2 Confined Space Mode measures up to 4 gases (O₂,LEL, CO,H₂S) simultaneously with audible visual alarms, datalogging, and min/max values.
- 3 Barhole Mode for testing underground gas leaks. In this mode the GT measures gas beginning in the LEL range and autoranges to % Volume. Barhole probe included with instrument.
- 4 Carbon Monoxide Mode measures CO directly in ppm. Menu items for air free CO (O₂ correction) when fitted with an O₂ sensor, and differential CO.
- 5 Purge Mode for measuring methane from 0-100% Volume in inert atmospheres.
- 6 Sniffer Mode enables rapid leak detection by measuring methane from 0-10,000ppm with the semi-conductor fitted at the end of the flexi probe. Audible/visual geiger allows for easy pinpointing of leaking pipes.
- 7 Pressure mode measures from 0-60" of water column via a pressure sensor on the back of the instrument. Ideal for tightness tests on gas systems up to 2 PSI.



www.gmiusa.com

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.



GT 40™ Series

The GT 40 series offers technicians and workers a single instrument that can be used throughout the gas distribution and transmission pipelines for all measurements needed for leak testing, and confined space entry. Bright LED alarm lights illuminate as gas levels increase, and audible alarms are activated at preset levels should they be programmed. Completely programmable, the GT is an industry standard throughout the Americas and Europe and allows companies to utilize only one instrument for all their monitoring needs. The GT series is available with an optional docking station for full calibration and testing capabilities, and printed cal certificates if needed.

GT 40 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

GT 40 TECHNICAL SPECIFICATIONS

Size:	11.4 x 3.7 x 1.7 in / 290mm x 95mm x 43mm
Weight:	1.7 lbs / .78 kg with probe and batteries
Temp:	4°F-104°F/-20°C to +40°C
Humidity:	0-98% non condensing
Alarms:	High visibility LEDs on both sides of instrument 85 db audible alarm All alarms user programmable via password protected menu
Battery:	3 C batteries –LR14 alkaline or rechargeable
Battery Life:	Minimum 8 hours continuous alkaline or rechargeable
Enclosure:	High impact polycarbonate ABS blend
Rating:	IP 54
Approvals:	UL 913 Class I, Div 1, Groups C, D
IECEx:	Ex iad IIB T3
Warranty:	2 years

GT 40 SERIES SENSOR SPECIFICATIONS

GAS	RANGE	INCREMENTS	SENSOR TYPE
O2	0-25%	0.1%	Electrochemical
CO	0-2000ppm	1ppm	Electrochemical
H2S	0-100ppm	1ppm	Electrochemical
Dual Tox (CO/H2S)	0-100ppm	1ppm	Electrochemical
CH4	0-10,000ppm	1ppm	MOS
CH4	0-100% LEL	1%	PELLISTOR
CH4	0-100% Volume	1%	Thermal Conductivity Sensor

All instruments include user handbook, operation instructions, calibration certificate and configuration report.

ORDERING INFORMATION AND RECOMMENDED SPARES AND ACCESSORIES

67401	GT 40	PPM/%LEL/%V GAS/CO
67411	GT 41	PPM/%LEL/%V GAS/O2
67421	GT 42	PPM/%LEL/%V GAS/CO/O2
67431	GT 43	PPM/%LEL/%V GAS/CO/H2S/O2
67441	GT 44	PPM/%LEL/%V GAS ONLY

(Each supplied with carry case, bar hole probe, probe filter, wrist strap, 2 ft tygon sample line, detailed user manual, calibration certificate.)

67102Q	Docking station for use with mixed blend gases
67109Q	Docking station for use with single blend gases
67160	Configuration and field calibration manual (cd rom)
66206	12V/24V vehicle charger
67101	Charging station (including power supply)
67259	Box of 4 hydrophobic probe filters
67185	SS probe for flue testing 24"
67163	Box of 30 dust filters

Additional accessories and instrument options available. Please contact your local distributor or GMI USA for more information.

©2009 Gas Measurement Instruments Ltd.



Gas Measurement Instruments

Gas Measurement Instruments LLC

930 Interstate Ridge Drive
Suite H
Gainesville, GA 30501, U.S.A
P. (678) 928 4900
Toll free. (877) 421 5315
F. (678) 928 4906
sales@gmiusa.net
www.gmiusa.com

Gas Measurement Instruments Ltd.

Inchinnan Business Park Renfrew
PA4 9RG Scotland
P. (44) 141-812-3211
F. (44) 141-812-7820
sales@gmiuk.com
www.gmiuk.com

GT US style product brochure Part No. 99319

Issue 3 – 27/5/10

Distributed by:

Gas Measurement Instruments 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.