

# The 5-gas detection solution



## VISA™

Designed by our customers, this robust and accurate gas detector provides unrivaled protection in confined space applications.

- 15 plug-and-play smart sensors to choose from
- Flexible configuration to suit your specification
- Piercing 95 dB audible plus 360-degree high-visibility light bar
- On-board datalogging available for calibration certificates, data management, and event logging
- High impact rubberized case
- IP65
- Low cost of ownership
- Over 20,000 in use all over the world

### *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.





The VISA can be tailored to detect up to five gases with its toxic and catalytic sensors, photo ionization detectors, and infrared capabilities. “Plug and Play” option allows the customer to “plug in” a new board with a different gas specification.

The VISA is particularly useful in noisy environments, featuring a very loud (95dBA) penetrating and distinctive audible alarm together with high visibility large area visual alarm. Pump, diffusion or both together, allowing pumped sample for pre-entry checking and diffusion in confined space working, thus maximizing battery life. A robust, molded, rubberized casing guaranteeing Hi-Viz and Hi-Impact resistance, the VISA can be used in the most demanding industrial environments.

## VISA SENSOR SPECIFICATIONS

GAS	RANGE	INCREMENTS	SENSOR TYPE	RESPONSE TIMES
O <sub>2</sub>	0-25%	0.1%	Electrochemical	10 sec
CO	0-1000PPM	1PPM	Electrochemical	35 sec
H <sub>2</sub> S	0-100PPM	1PPM	Electrochemical	25 sec
DUAL TOX CO/H <sub>2</sub> S	0-1000PPM(CO) 0-100PPM(H <sub>2</sub> S)	1PPM	Electrochemical	35 sec & 25 sec
LEL	0-100% LEL	1% LEL	Cat-bead	15 sec
	0-100% LEL	1% LEL	NDIR	35 sec
SO <sub>2</sub>	0-30PPM	1PPM	Electrochemical	10 sec
SO <sub>2</sub>	0-100PPM	1PPM	Electrochemical	10 sec
CL <sub>2</sub>	0-10PPM	0.1PPM	Electrochemical	30 sec
NH <sub>3</sub>	0-100PPM	1PPM	Electrochemical	60 sec
NO	0-300PPM	1PPM	Electrochemical	20 sec
NO <sub>2</sub>	0-20PPM	1PPM	Electrochemical	185 sec
CO <sub>2</sub>	0-5% V	0.05% V	NDIR	25 sec
PH <sub>3</sub>	0-100PPM	1PPM	PID <sup>1</sup>	5 sec
VOC	Hi Sensitivity <sup>1</sup>	0.1PPM	PID <sup>1</sup>	5 sec

1. ATEX certified only.

All times are T90 times, i.e. the time to reach 90% of response.

## VISA TECHNICAL SPECIFICATIONS

<b>Size:</b>	140 x 85 x 45 mm / 5.5" x 3.3" x 1.7"
<b>Weight:</b>	0.4 kg / 14 oz.
<b>Humidity:</b>	0-98% non condensing
<b>Alarms:</b>	Visual 360° full light bar, piercing 95db audible 4 gas alarms per gas user programmable TWA/STEL alarms visual and audible Low flow visual and audible Low battery alarm Up to 4 alarms per toxic gas, user programmable 3 alarms for O <sub>2</sub> , 2 alarms for LEL
<b>Display:</b>	LCD backlight display
<b>Datalogging (optional)</b>	Timed: 24 hours of timed logs at 1 log per minute Session: Minimum of 180 logs Calibration: Minimum of 8 calibration logs
<b>Battery:</b>	NiMH rechargeable battery—12 hr. minimum with pump Alkaline battery pack (3 AA)—12 hr. minimum with pump
<b>Enclosure:</b>	High impact rubberized polycarbonate case
<b>Rating:</b>	IP65 (Dust tight and water resistant)
<b>Approvals:</b>	* UL 913 Class I, Div 1 Groups A,B,C,D MED Ⓢ (0038/YY) - Module B & E CE0518 ATEX Ⓢ II 2 G EEx iad IIC T3 / T4
<b>IECEX:</b>	EEx iad IIC T3/T4
<b>Warranty:</b>	2 years

\* excludes NDIR and PID sensor options.

## RECOMMENDED ACCESSORIES/SPARE PARTS

<b>66485</b>	Hydrophobic filter - external inline
<b>66210</b>	Alkaline battery pack (3 AA batteries)
<b>66136</b>	3m sample line (Tygon® tubing) with connector
<b>66142</b>	3m Viton tubing with connector (PID VISA only)
<b>66028</b>	Neck harness
<b>66017</b>	Probe assembly
<b>66208</b>	Datalogging package
<b>66083</b>	Sensor grill hydrophobic filter
<b>66084</b>	Sensor gas inlet filter
<b>66108</b>	Blank sensor plug
<b>66206</b>	Car/vehicle charge 12/24V
<b>66190</b>	Pump assembly kit - includes pump, tubing and fittings



**GMI Headquarters**  
Inchinnan Business Park  
Renfrew  
PA4 9RG  
Scotland  
Tel: +44 (0) 141 812 3211  
Fax: +44 (0) 141 812 7820  
sales@gmiuk.com  
www.gmiuk.com

**Service and Calibration - UK**  
25 Cochran Close  
Crownhill  
Milton Keynes  
MK8 0AJ  
Tel: +44 (0) 1908 568 867  
Fax: +44 (0) 1908 261 056  
service@gmiuk.com  
www.gmiuk.com



**Service and Sales - USA**  
4055 Technology Forest Blvd.  
The Woodlands, TX 77381  
Tel: (713) 559-9290  
Toll free: (877) 421-5315  
Fax: (281) 292-2860  
sales@detcon.com  
www.detcon.com

©2013 Gas Measurement Instruments Ltd.

VISA (US) product brochure Part No. 99310  
Issue 14 – November 2013

### Distributed by:

As an ISO 9001 approved company, 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.