

MVI

Mercury Vapour Indicator for Continuous Detection



Revolutionary dual beam UV absorption technology means MVI does not saturate or need regenerating between readings

The MVI rapidly detects and continuously measures mercury vapour. Revolutionary dual beam technology means the instrument does not saturate or require regeneration between readings as do traditional gold film detection methods, ensuring instrument downtime is eliminated.

Fast and accurate, MVI gives a real time response within just 3 seconds. MVI provides continuous readings and offers two detection ranges: 0.1 to 200 and 1.0 to 1999 microgram/cubic meter.

MVI utilises a high performance pump for fast indication and recovery. The audible alarm and large digital display clearly indicate the levels of mercury vapour.

Ergonomically designed with simple, one handed operation MVI is the ideal survey unit for rapid, accurate levels of mercury vapour detection. Robust portable and fixed options are available.

APPLICATIONS INCLUDE

- Manufacturing
- Recycling
- Fluorescent Lamp Reprocessing Plants
- Mining
- Petroleum
- Hydrocarbon
- Refining
- Bioremediation

CALIBRATION

The MVI requires annual calibration to maintain best accuracy and instrument performance. Instruments are calibrated against a near Primary Standard and issued with a certificate of calibration.

KEY FEATURES

- Dual beam UV absorption technology
- No saturation, no regeneration eliminates instrument downtime
- Fast, 3 second response
- Range: 0.1 to 200 and 1.0 to 1999 microgram/cubic meter
- Highly accurate measurement
- Continuous readings
- High performance pump for fast indication and recovery
- PTFE probe with moisture trap filter
- Large digital display
- Simple, one-handed operation
- Audible Alarm can be set to any level or switched off
- Robust portable and fixed options available

SPECIFICATIONS Specifications subject to change without notice

Detector	Dual Beam Ultraviolet Absorption Module
Accuracy	± 5 micrograms or ± 10% reading
Operation	After warm up MVI gives real time mercury vapour concentrations
Alarm	Audible Alarm Factory pre-set to 25 microgram/cubic meter
Instrument Range	0.1 to 200 and 1.0 to 1999 microgram.cubic meter
Temperature	10 oC to 50 oC
Weight & Dimensions	6 lbs 10 oz (3Kgs) 145 x 295 x 80 mm
Repeatability	±5% FSD @ 1 µg/m ³
Batteries	NiMH - last up to 8 hours from full charge
Power	NiMH
Response	= 3 seconds

ACCESSORIES

Gastech provides an exclusive range of MVI accessories as featured below.

Description	Part Number
Zero Filter	26006
PTFE Probe and pack of 10 filters	26007
Manual	26002
230 VAC Charger (UK)	6003
220 VAC Charger (Europe)	26004
110 VAC Charger (USA)	26005



t +61 8 6108 0000

e info@gastech.com

w gastech.com

HEAD OFFICE

24 Baretta Road
Wangara WA 6065
Phone: +61 8 6108 0000

SYDNEY OFFICE

21/25 Narabang Way
Belrose NSW 2085
Phone: +61 2 9451 0054

BRISBANE OFFICE

PO Box 349
Cannon Hill Qld 4170
Phone: +61 7 3160 0901