



MVI

Mercury Vapour Indicator for Continuous Detection



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

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



Advanced Gas Sensing Technologies
www.ionscience.com

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

Service & 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. Ion Science provides Gold and Platinum Service Contracts offering total lifetime cost solutions. Contact Ion Science for more information.

TECHNICAL SPECIFICATION

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 °C to 50 °C

WEIGHT & DIMENSIONS

6 lbs 10 oz (3Kgs)
145 x 295 x 80 mm

REPEATABILITY

± 5% FSD @ 1 µg/m³

BATTERIES

NiMH - last up to 8 hours from full charge

POWER

NiMH

RESPONSE

= 3 seconds

Accessories:

Ion Science provides an exclusive range of MVI accessories as featured below.

Description	Part Number
Zero Filter	150-173
PTFE Probe and pack of 10 filters	703-341
Manual	703-990
230 VAC Charger (UK)	201-031
220 VAC Charger (Europe)	201-038
110 VAC Charger (USA)	201-033

Distributed by:



ION SCIENCE is ISO9001:2000 certified
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