



# 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](http://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/m<sup>3</sup>

#### 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	26006
PTFE Probe and pack of 10 filters	26007
Manual	26002
230 VAC Charger (UK)	26003
220 VAC Charger (Europe)	26004
110 VAC Charger (USA)	26005



ION SCIENCE is ISO9001:2000 certified  
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For further information and ordering please call:  
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