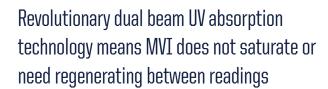




# Mercury Vapour Indicator for Continuous Detection







- 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

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**

 $\pm 5$  micrograms or  $\pm 10\%$  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

 $\pm$  5% FSD @ 1  $\mu$ g/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	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

For further information and ordering please call:





ION SCIENCE is ISO9001:2000 certified (December 2003)

# CONTACT INFORMATION

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