



# AMI

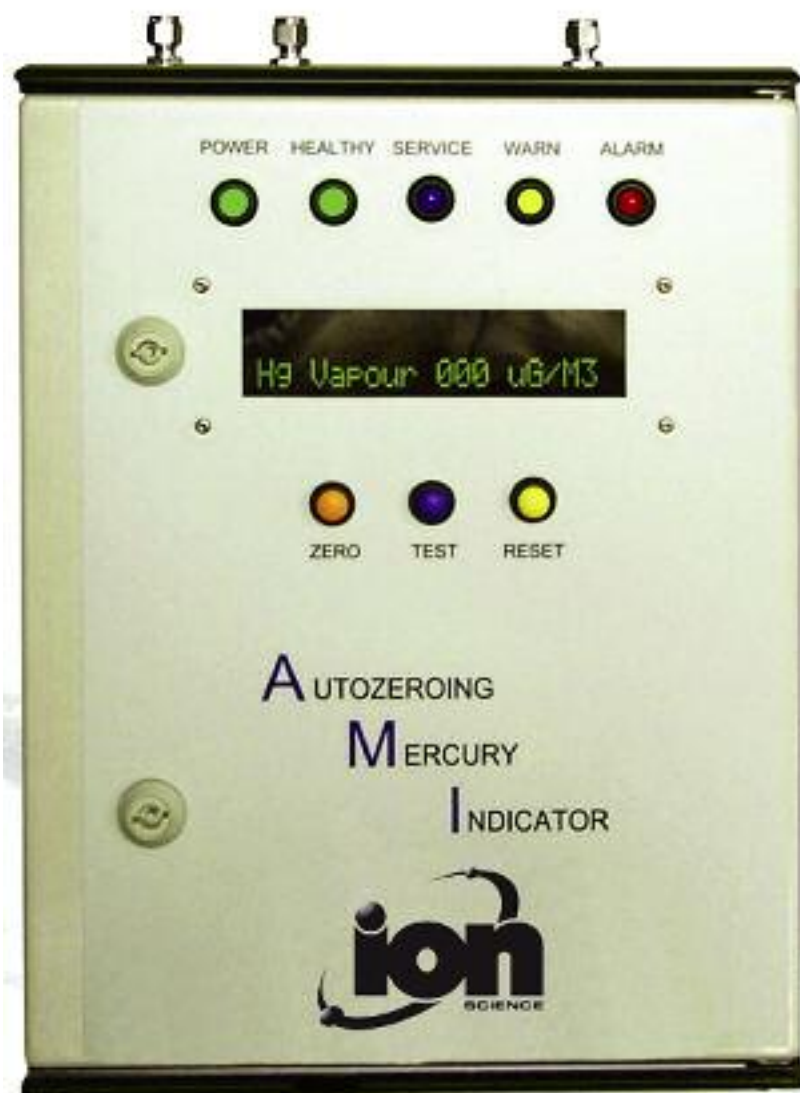
## Autozeroing Mercury Vapour Indicator for Continuous Monitoring



Continuous, 24/7 mercury protection.  
AMI utilises a high stability control system with  
automatic zeroing.

### Features:

- Exceptional stability
- Automatic zeroing eliminates drift
- Single-point sampling
- Dual-beam spectro-photometer and UV wavelength
- Microprocessor controlled
- Two preset alarm limits
- Easy maintenance - 12 months trouble free operation
- Annual recalibration with no down time



Advanced Gas Sensing Technologies  
[www.ionscience.com](http://www.ionscience.com)

The AMI rapidly detects and measures mercury vapours continuously, 24/7. AMI utilises a high stability control system and automatically self zeros every 5 hours, eliminating any potential drift.

Simple to maintain, the instrument requires annual recalibration with filter replacement only - a sensor module exchange service makes the process quick and easy.

AMI is the ideal survey unit for rapid, accurate levels of mercury vapour detection. Robust portable and fixed options are available.

## Applications

- Manufacturers of weapons and defence systems
- High energy lamp disposal
- Worker exposure to mercury vapours

## Accessories:

Ion Science provides an exclusive range of AMI 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

## TECHNICAL SPECIFICATION

### DETECTOR

Dual Beam Ultraviolet Absorption Module

### SENSITIVITY

1 µg/m<sup>3</sup>

### ACCURACY

± 5 micrograms or ± 10% reading

### RECALIBRATION

The unique AMI module is a factory precalibrated unit enabling fast, easy servicing and calibration

### TEMPERATURE

10 °C to 50 °C

### OPERATION

A high performance pump continuously samples at 1.5 litres/min flow rate. Fast Response time: AMI Reads 90% of sample less than 3 seconds. Remote sampling via up to 15 metres of stainless steel or PTFE tubing

### RANGES

1-200 µg/m<sup>3</sup>

### POWER

110-260 V AC 40-70 Hz

### RESPONSE

< 3 seconds to 90% when exposed to 100 micrograms of mercury

### DATA LOGGER / RECORDER

Recorder output of 0-10 volt

### OUTPUT

4/20mA industrial output

### DIMENSIONS

200 x 300 x 400 (mm)

### ALARMS

Pre-set alarm levels at 10 and 25 µg/m<sup>3</sup> give immediate warning on the display panel and the "WARN" and "ALARM" lights illuminate

Alarm relays provide optional external audible alarms conveniently located to suit site conditions.

## Service and Calibration

Ion Science provide a service exchange programme to ensure downtime of your instrument is kept to a minimum. Contact us for more information.



ION SCIENCE is ISO9001:2000 certified  
(December 2003)

For further information and ordering please call:  
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