



REPSS, Inc.
Instrumentation Specialists

MVI

MERCURY DETECTOR



Best Available Detection

- Fast 3 second response
- Highly accurate
- Range: 0.1 - 200 & 1.0 - 1999 microgram / cubic meter
- Fast indication and recovery

Minimal Downtime

- No saturation, no regeneration - eliminates downtime
- Ready to detect within minutes
- Continuous 5 1/2 hour operation

Convenience

- Large, clear digital display
- Portable simple one handed operation
- Easy to use - minimal training required
- Robust and withstands harsh environments
- Audible alarm gives clear indication of mercury vapors

Low Cost Operation

- Inexpensive consumables and parts
- 2 year warranty when instrument registered online



REPSS Corporate Office
1656 Townhurst Dr, Suite E
Houston, TX 77043

Unrivaled Gas Detection

41

Sales & Service
866-657-3777
customerservice@repss.com
www.repss.com

V2.2
Issue 2018

The Mercury Vapour Indicator (MVI) is a revolutionary instrument accurately detecting hazardous mercury vapours in just 3 seconds! The instrument's unique advantage is its dual beam UV absorption technology and ability to measure high concentrations of mercury without saturating; requiring no regeneration between readings, eliminating downtime.

Fast and accurate, MVI gives a real time response and is ready to detect in minutes. MVI provides continuous readings and offers two detection ranges: 0.1 to 200 and 1.0 to 1999 microgram/cubic meter, ideal for time weighted average (TWA) monitoring.

MVI is a portable mercury vapour detector that utilizes a high performance pump for fast indication and recovery. The instrument's audible alarm and large digital display clearly indicate the levels of mercury present.

Ergonomically designed with simple, one handed operation MVI is the ideal survey unit for rapid and accurate mercury detection, screening for mercury spills and monitoring for exposure limits.



**ACCURATELY DETECT MERCURY VAPOURS
IN JUST 3 SECONDS. MVI DOES NOT
SATURATE OR NEED REGENERATING
ELIMINATING INSTRUMENT DOWNTIME.**

Service and Calibration

MVI requires annual calibration to maintain best accuracy, instrument performance, and to maintain its extended warranty. Contact Ion Science or a local service centre for more information.

Applications Include

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

Extend your instrument warranty

Your MVI instrument warranty may be extended by simply registering your product on the Ion Science website within one month of purchase. Visit www.ionscience.com/instrument-registration to take advantage of this offer.



REPS Corporate Office
1656 Townhurst Dr, Suite E
Houston, TX 77043
Unrivaled Gas Detection

42

Sales & Service
866-657-3777
customerservice@repss.com
www.repss.com

V2.2
Issue 2018

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 20 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 g/m3

BATTERIES

- NiMH - last up to 5 1/2 hours from full charge

POWER

- NiMH

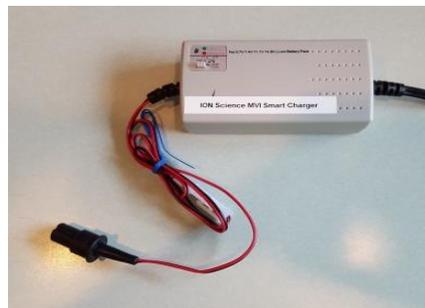
RESPONSE

- 3 seconds



MVI Instrument	Description
MVSSRXME-X	MVI in Case

MVI Access.	Description
A-869204	MVI Data Logger Assembly
4/JLF-03	Water Trap Filter PTFE 1.0microM
A-26007	Probe + pk 10 Water Trap Filters
A-26017	5 Probe + pk 50 Water Trap Filters
A-26220	MVI 24V 6 Way Power Supply Assembly
A-31057	Carbon Filter Assembly
MVI Smart Charger	Upgrade a New or Existing MVI with Smart Charger



MVI Smart Charger