

Permanent Installation Continuous Mercury Monitor RA-915AM

For continuous real time mercury vapor monitoring

Principle of Operation

- ▶ Atomic absorption spectrometry with Zeeman background correction

Design

- ▶ Designed for indoor operation or installation in climate-controlled cabinets
- ▶ The embedded PC controls data recording, processing and transfer via RS-232/485 interface, current loop, or MODBUS
- ▶ Multisampling points option is available
- ▶ Can be installed in a standard 19-inch rack

Applications

- ▶ Real-time mercury vapor monitoring in air and gases
- ▶ Continuous industrial hygiene and workspace monitoring
- ▶ Process control monitoring

Features and Benefits

- ▶ Real-time direct continuous measurements in ambient air
- ▶ Fully automated, simple to operate
- ▶ Rugged design and low maintenance
- ▶ Auto control and preventative maintenance functions
- ▶ Controlled by keypad or computer via USB interface or Bluetooth
- ▶ Catalyst and carrier gases-free operation
- ▶ Lowest detection limit, highest selectivity and widest detection range on the market
- ▶ Built in performance verification test cell, auto zero drift and span drift correction





Specifications

	Range I, ng/m ³	Range II, ng/m ³	Range III, ug/m ³
Measurement Range	0 - 2,000	0 - 120,000	0 - 3,000
Limit of Detection	0.5	10	0.2
Zero Drift Correction		Automatic	
Span Correction		Automatic	

Ambient Air Conditions

Air Flow Rate	7 - 10 L/min
Air Temperature	-20 to +40 °C

Sampling with Multiplexer

Number of Sampling Points	2 - 16
Sampling Line	Up to 150 m

Data Output

Communication Ports	RS 232/435; 2 x USB; LAN; Isolated 4-20 mA, Modbus (LAN or RS-485)
Status Outputs	MEASURING; ZERO CONTROL; CALIBRATION SERVICE; FAILURE

Power, Dimensions, Weight

Power Requirements	0 - 2,000
Analyzer	665 x 482 x 222 mm
Multiplexer	665 x 482 x 222 mm
Analyzer	25 kg / 55 lbs
Multiplexer (2-16 lines)	15 - 25 kg / 33 - 55 lbs

CALL 1 888 876 2611 FOR MORE INFORMATION