

# RA-915 AM

Air Mercury Monitor



## Area of Application

Background mercury monitoring of ambient air, and technological control. The RA-915 AM monitor is used for the continuous measurement of mercury in ambient and indoor air, and technological gases.

## Principle of Operation

Atomic absorption with Zeeman background correction.

## Design

The RA-915 AM monitor is designed for indoor operation or installation in climate controlled cabinets. The embedded PC controls the measurement procedure, data processing, and data transfer via RS-232/485 interface or current loop. Optional multiplexer enables sampling from 2 to 16 points. The monitor can be installed in a standard 19 inch rack.

## Advantages

- + Automatic zero drift and span drift correction
- + Automatic recalculation to standard conditions
- + Auto control and preventive maintenance functions
- + Robustness and low maintenance
- + Low detection limit
- + Direct continuous measurement
- + Low detection limit and wide range of measurement
- + Highest selectivity
- + No chemicals, no carrier and zero gases
- + Stable calibration

ANALYTICAL SPECIFICATIONS			
	Range I, ng/m <sup>3</sup>	Range II, ng/m <sup>3</sup>	Range III, µg/m <sup>3</sup>
Measurement range	0-2,000 ng/m <sup>3</sup>	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		
Dimensions, Weight, Power requirements			
Power requirements	110/240 VAC, 50/60 Hz; 120 VA max		
Size, mm			
Analyzer	665 x 482 x 222		
Multiplexer	665 x 482 x 222		
Weight, kg			
Analyzer	25		
Multiplexer (2-16 lines)	15 - 25		



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