

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 ³	Range II, ng/m ³	Range III, µg/m ³
Measurement range	0-2,000 ng/m ³	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 100 - 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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