

RA-915 AM

Air Mercury Monitor



AREA OF APPLICATION

Background mercury monitoring of ambient air, technological control. The RA-915 AM monitor is designed 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. The monitor can be installed in standard 19 inch rack.

ADVANTAGES

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



TECHNICAL SPECIFICATIONS

ANALYTICAL SPECIFICATIONS		
	Range I	Range II
Measurement range	0.5–2,000 ng/m3	5–20,000 ng/m3
Averaging interval	4 min	> 2 sec
Zero drift correction	Automatic	
Span correction	Automatic	
Ambient air conditions		
Air flow rate	7–10 L/min	
Air temperature	-20 to +40 °C	
Data output		
Communication ports	RS 232/435; 2 x USB; LAN; Isolated 4–20 mA	
Status outputs	MEASURING; ZERO CONTROL; CALIBRATION; SERVICE; FAILURE	
Dimensions, Weight, Power requirements		
Size (LxWxH)	600 x 480 x 220 mm	
Weight	19 kg	
Power requirements	110/240 VAC, 50/60 Hz; 120 VA max	