

# 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/m <sup>3</sup>	5–20,000 ng/m <sup>3</sup>
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	
Operating conditions		
Ambient air temperature	+ (20 ± 2) °C	
Atmospheric pressure	84 to 106.7 kPa	
Ambient relative humidity	< 99 % at + 35 °C	
Power requirements Built-in UPS (optional)	110/240 VAC, 50/60 Hz; max 120 VA	
Size (LxWxH)	600 x 480 x 220 mm	
Weight	19 kg	

The information and specifications in this publication are subject to change without notice.

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