

# Portable Zeeman Mercury Vapor Analyzer

## Light-915M2

For mercury detection in ambient air

### Principle of Operation

- ▶ Atomic absorption spectrometry with Zeeman background correction

### Applications

- ▶ Emergency response to mercury spills
- ▶ Mercury spill cleanup verification
- ▶ Industrial hygiene and workspace monitoring
- ▶ Environmental inspection and site remediation

### Features and Benefits

- ▶ Real-time mercury measurements in air
- ▶ Detection limit at 0.02 ug/m<sup>3</sup>
- ▶ Fully automated with built-in auto zero and test cell for calibration verification
- ▶ NIST traceable calibration
- ▶ Wide dynamic detection range (5 orders of magnitude)
- ▶ Built-in datalogger and USB-B data transfer interface
- ▶ No 'memory effect'
- ▶ Controlled by keypad
- ▶ Up to 12 hours of continuous operation on battery
- ▶ Rugged design for laboratory and field
- ▶ Catalyst and carrier gas-free operation





## Technical Specifications

Detection Limit	Measurement Range	Sampling Rate	Size
0.02 $\mu\text{g}/\text{m}^3$	0 to 200 $\mu\text{g}/\text{m}^3$	1 l/min	264x242x110mm

Weight	Power Supply	Display Resolution	Response Time
4.3 kg / 9.5 lbs.	10-25 VDC, 40W Max. external power adapter 100/240 VAC / 18 VDC (included)	0.01 $\mu\text{g}/\text{m}^3$ (for range 0-0.99 $\mu\text{g}/\text{m}^3$ ) 0.1 $\mu\text{g}/\text{m}^3$ (for range 1-99 $\mu\text{g}/\text{m}^3$ ) 1 $\mu\text{g}/\text{m}^3$ (for range >100 $\mu\text{g}/\text{m}^3$ )	1 reading per second



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