

Light-915M2

Portable Zeeman mercury in air analyzer



Light-915M2 is a compact, portable mercury analyzer designed for convenient direct Hg measurement in air. High accuracy and real-time operation along with small size and weight make it an excellent device for field work.

PRINCIPLE OF OPERATION

Atomic absorption spectrometry at 254 nm with Zeeman correction for interference-free measurements.

APPLICATIONS

- Environmental and workplace monitoring
- Industrial hygiene and safety surveying
- Indoor and outdoor mercury pollution revealing and mapping
- Emergency response to mercury spills
- Demercurization control
- Contaminated equipment and hazardous waste inspection

FEATURES AND ADVANTAGES

- Low detection limit **0.02** $\mu\text{g}/\text{m}^3$
- Measurement range from 0 to 200 $\mu\text{g}/\text{m}^3$
- High selectivity
- Long-term calibration stability
- Real-time measurement with 1 second response
- Fully automated with built-in test cell and auto zero
- Automatic zero drift and span drift correction
- No memory effect
- Integrated storage for 12 days of data acquisition
- Battery up to 15 hours of continuous operation (charging time is 3.5 hours)
- Robust design
- Easy to use and maintain

DELIVERY SET

Light-915M2 portable Zeeman mercury analyzer delivery set includes:

- power supply unit;
- shoulder strap;
- intake hose (3 pcs);
- dust filters (10 pcs);
- interface cables;
- calibration certificate;
- manual.



TECHNICAL SPECIFICATIONS

Measurement range	0 to 200 $\mu\text{g}/\text{m}^3$
Detection limit	0.02 $\mu\text{g}/\text{m}^3$
Response time	1 reading per second; Adjustable averaging 1 to 10 seconds
Sampling rate	1 l/min
Digital output	USB-B data exchange interface; USB-A host connector for peripheral device and data transfer to USB drive
Power input	10-25 VDC, 40W Max. external power adapter 100/240 VAC / 18 VDC (included)
Size	264×242×110 mm
Weight	4.3 kg

WARRANTY

Light-915M2 mercury analyzer is covered by a full 1-year warranty.

SERVICE

Installation and commissioning of Lumex Instruments' mercury analyzers can be carried out at a customer site by our service engineers and by certified distributor.



Find your local Lumex Instruments distributor:
www.lumexinstruments.com | sales@lumexinstruments.com