

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 fast 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 (500) $\mu\text{g}/\text{m}^3$
- 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;
- power supply unit;
- shoulder strap;
- intake hose (3 pcs);
- dust filters (10 pcs);
- interface cables;
- calibration certificate;
- manual.



TECHNICAL SPECIFICATIONS

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|-------------------|--|
| Measurement range | 0 to 200 (500) $\mu\text{g}/\text{m}^3$ |
| 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