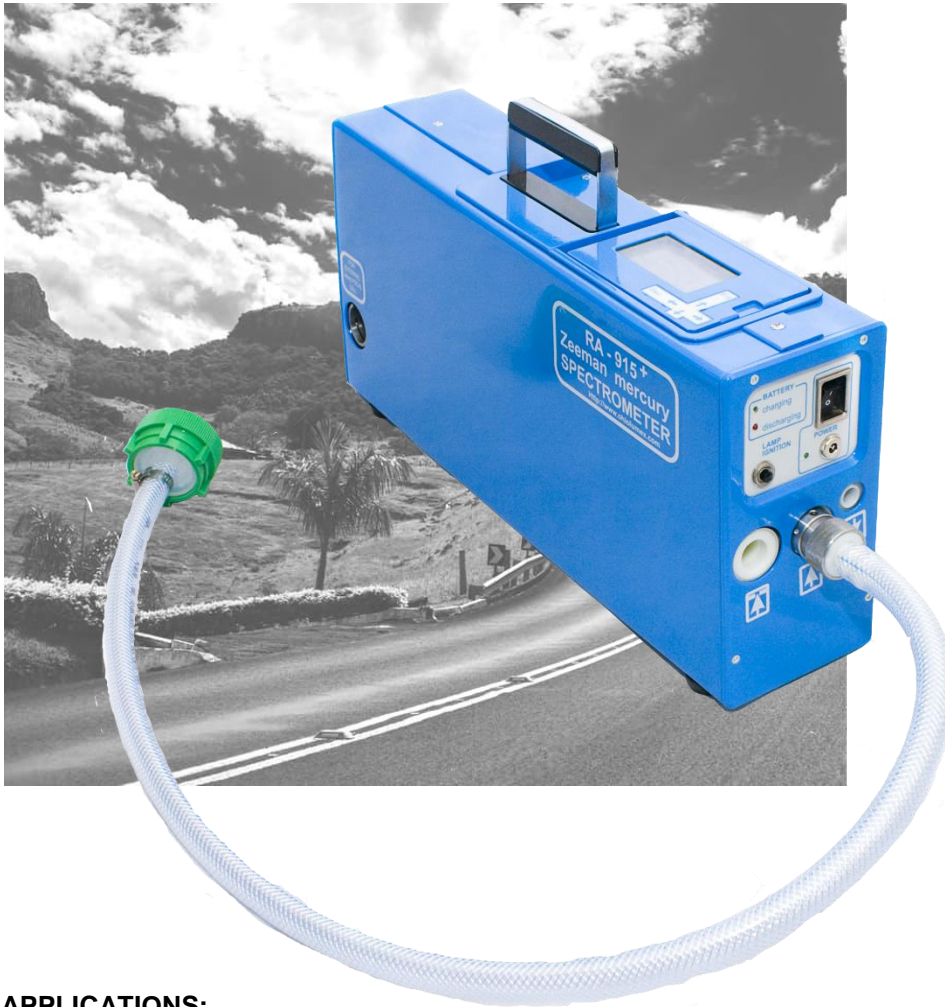


PORTABLE ZEEMAN MERCURY ANALYZER RA-915+



For ambient air, liquid, solid, and other mercury testing in the field or laboratory

METHOD OF MEASUREMENT AND PRINCIPLE OF OPERATION

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

Methods: ASTM D7622-10, SW846 series 245, 1631, 7473, NIOSH 6009 performance based methods.

APPLICATIONS:

- Emergency response to mercury spills and verification of spill clean up
- Listed on US EPA Emergency Equipment List
- Precise determination of mercury in: ambient air, natural gas, stack gases, soil, coal, sorbent traps, crude oil, food, pharmaceuticals, water and waste water

FEATURES AND BENEFITS:

- Simple to operate, self-validating analyzer
- Rugged/versatile design for laboratory and field mobile conditions
- Ultra low detection limit and highest selectivity
- Real time operation mode for air and gases
- Direct determination of mercury in liquid and solid matrices within 60 seconds (attachment required)
No sample preparation, no use of hazardous chemicals or compressed oxygen
- Built-in performance verification test cell and auto zero function
- Wide dynamic measuring range (four orders of magnitude)
- Data logger
- Easy to ship and use anywhere in the world
- Rechargeable battery with charge lasting up to 12 hours



OHIO LUMEX

Matrices	Detection limit	Sampling rate, size	Atomization technique	Number of analyses per hour
Ambient air*	2 ng/m ³	20 l/min	Without atomization	Real-time analysis
Water	0.5 ng/l	20 mL	Cold vapor	15
Natural gas and other gases	100 – 500 ng/m ³	5 – 20 l/min	Without atomization	Real-time analysis
Soil and sediments	1 µg/kg	200 mg	Pyrolysis	15
Urine	5 ng/l	1 ml	Cold vapor	15
Hair	20 µg/kg	10 mg	Pyrolysis	15
Blood	0.5 µg/l	0.2 ml	Cold vapor	15
Plants	2 µg/kg	50 mg	Pyrolysis	15
Fish	2 – 10 µg/kg	5 – 50 mg	Pyrolysis	15

*Detection limit is 0.5 ng/m³ with a 10-second response time

DELIVERY SET

RA-915+ portable Zeeman mercury analyzer comes with: software, charger, shoulder bag, intake hose/filter, mercury filter, cables, calibration certificate, manual.

OPTIONAL

Analyzer can be used in conjunction with solid and liquid matrix analysis attachments below:

RP-92 attachment for liquid sample analysis

PYRO-915+ attachment for liquid and solid direct (no sample preparation) analysis

WARRANTY

RA-915M analyzer and attachment are covered by 12-months limited warranty

SPECIFICATIONS

	Size, mm	Weight, kg/lbs	Power Supply	Power consumption, W	Analysis time, s
RA-915+ Air and gas analysis	460x210x110	7/15	240/110 VAC, 50/60 Hz; 12 VDC	20	Direct on-line
RP-92 attachment “Cold Vapor AA” technique	340x240x120	4/8.8	240/110 VAC, 50/60 Hz; 12 VDC	20	40-80
PYRO-915+ attachment Thermal decomposition without sample preparation	350x350x120 (pyrolyzer) 380x350x120 (power supply unit)	17/37	240/110VAC, 50/60 Hz	700	60-180

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

SERVICES

Analyzer can be tailored to customer specific applications by our service engineers. Annual calibration is traceable to NIST and is recommended. Fast turnaround on service and calibration at Solon, OH facility.



RA-915M WITH RP92



RA-915+ with PYRO-915+

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