



ENVIRONMENTAL EQUIPMENT AND FIELD SUPPLIES

Lumex 915 Mercury Vapor Analyzer

An advanced mercury analyzer RA-915M is a unique all-purpose, high sensitivity analytical instrument for the environmental monitoring, especially for the real-time detection of mercury vapor in air, mercury detection in water, natural and stack gases, oil and condensate, solid and sediments, foodstuff and so on. Optional attachments measure cold vapor (RP) and pyrolysis vapor (RPC).

The RP attachment is used for determination of mercury concentration in liquid samples (water, blood, urine), while the RPC attachment is used for determination of mercury concentration in solid samples (soil, rocks, sediments, etc.).

Lumex 915 Analytical Characteristics

Matrix	Detection limit	Sampling Analysis	Analysis technique
Ambient Air	0.5 ng/m ³	10 l/min	Direct
Natural gas	2-500 ng/m ³	1-10 l/min	Direct with gas kit
Water	0.5 µg/l	1-20 ml	RP Option (Cold vapor)
Urine	0.1 µg/l	1-5 ml	RP Option (Cold vapor)
Solid samples (soils, rocks, sediments)	0.5 µg/kg	10-300 mg	RPC Option (Pyrolysis vapor)

Technical Specifications

Lumex 915

Dimensions: 460x210x110 mm

Weight: 7 kg

Power supply: 10240/220/110 VAC,
50/60 Hz 12 VDC

Power consumption: Max. 36 W

Analysis time: Direct on-line

RP Option

Dimensions: 340x240x120 mm

Weight: 4 kg

Power requirements:
100/240 Vac, 50/60 Hz, 20 W

RPC Option

Dimensions: 340x240x120 mm

Weight: 5.5 kg

Power requirements:
100/240 Vac, 50/60 Hz, 150 W