

Mercury Analysis System for Solids and Liquids

PYRO-915

Direct interference free mercury determination in seconds, no catalyst or compressed oxygen required

Principle of Operation

- ▶ Thermal atomic absorption spectrometry with Zeeman background correction

Applications

- ▶ Direct mercury analysis in soil, coal, crude oil, naphtha, biological tissues, organic samples, food, pharmaceuticals, liquids, wastewater, and more

Features and Benefits

- ▶ Fast interference free measurements (average analysis time of 60 seconds)
- ▶ Lowest detection limit and highest selectivity on the market
- ▶ Wide dynamic measurement range (five orders of magnitude)
- ▶ No sample prep or conditioning required
- ▶ Matrix independent, no memory effect
- ▶ Catalyst, carrier gases and compressed oxygen-free operation
- ▶ NIST traceable calibration
- ▶ Rugged design for laboratory and field
- ▶ Suitable for direct analysis of gold traps per ASTM 5964 and crude oil per EPA Method 7473 (SW-846)





Application Examples

Matrix	Detection Limit	Sampling	Attachments
Solid Samples (Solids, Rocks, Sediments)	0.5 ug/kg	10 - 400 mg	PYRO-915
Water and Solutions	1 ug/l	10 – 200 ul	PYRO-915
Coal	1 ug/kg	10 – 300 mg	PYRO-915
Sorbent Traps for Stack Gases*	0.5 ng	-	PYRO-915
Biological Samples (Tissues, Liver, Blood, Hair, etc.)	1 - 5 ug/kg	10 - 300 mg	PYRO-915
Oil and Oil Products	1 - 5 ug/kg	10 - 200 mg	PYRO-915
Food, Plants	0.5 – 3 ug/kg	10 – 400 mg	PYRO-915

* Range 0.5 - 50,000 ng

Specifications

Analyzer/Attachment	Dimensions (L x W x H)	Weight	Power Supply	Power Consumption	Analysis Time
PYRO-915 Attachment	430 x 340 x 135 mm (pyrolyzer) 400 x 280 x 135 mm (power supply unit)	17.5 kg / 38 lbs	100 - 240 VAC, 50/60 Hz	700 W	60 - 180 sec

CALL 1 888 876 2611 FOR MORE INFORMATION