

TECHNICAL SPECIFICATIONS for Mercury Vapor Analyzers

Equipment:	Portable Mercury Vapor Analyzer
Type of technology:	Atomic absorption spectroscopy, cold vapor atomic absorption spectroscopy, gold film sensor, Zeeman atomic absorption spectroscopy, or equivalent
Target analyte and environmental medium:	Mercury in ambient air
Minimum detection limit:	0.001 mg/m ³ or lower
Upper range:	0.1 mg/m ³ or higher
Power sources:	Power adapter (100 - 240 VAC, 50 - 60 Hz) and battery-operated (rechargeable battery)
Response time:	30 seconds or less
Operating range of environmental conditions:	10 – 38 °C or wider range
Instrument features:	Self-diagnostic check
	Automatic zeroing or baseline correction
	Calibration certificate
	Easy to read display
Physical characteristics:	Portable, easy to carry
	Lightweight: 8 kg or less
	Compact design
Safety marking:	CE, UL, CSA, TUV, or other electrical safety certification marking
Warranty:	12 months or more
Optional features (not required):	Data logging with date/time stamp
	Data transfer to PC