



CETAC QuickTrace™ Mercury Analyzers

CETAC Technologies QuickTrace™ mercury analyzers, QuickTrace™ software and CETAC automation products are equipped with 21st Century features to assist today's laboratory technician, chemist or lab manager in meeting the myriad of challenges that face today's modern laboratory. Our high performance fully automated analyzers are the number one choice for laboratories searching for a mercury analyzer with a proven track record. We stand behind our mercury analyzers with a no hassle support team ready to serve you.

QuickTrace™ Mercury Analyzers are easily maintained with readily accessible consumable items and commonly serviced parts. The commonality of consumable items and serviced parts ensures that parts will be available for years to come. Our mercury analyzers are backed by a one-year warranty. Our Extended Warranty Program and an industry-leading Loaner Instrument Program will minimize down time to less than 48 hours.

We feel strongly that one should not compromise quality, service or workmanship. Our attention to detail is what makes QuickTrace™ mercury analyzers "Simply the Best."

QuickTrace™ Mercury Analyzers Common Features:

- Patented, non-foaming Gas-Liquid Separator
- Fast washout time (1 ppm spike, less than four minutes)
- Nafion® drying cartridge to remove excess water vapor
- Easy to maintain
- Service/warranty program
- Unprecedented short and long-term precision

The QuickTrace™ M-6100 Cold Vapor Atomic Absorption Mercury Analyzer is ideal for sub-ppb to sub-ppm mercury quantitation. The innovative QuickTrace™ M-6100 is the answer for labs requiring a sensitive, reliable instrument for mercury analysis. The QuickTrace™ M-6100 is designed for routine use in a variety of settings, including environmental laboratories, industry, and research institutes, for virtually any aqueous acidified sample.

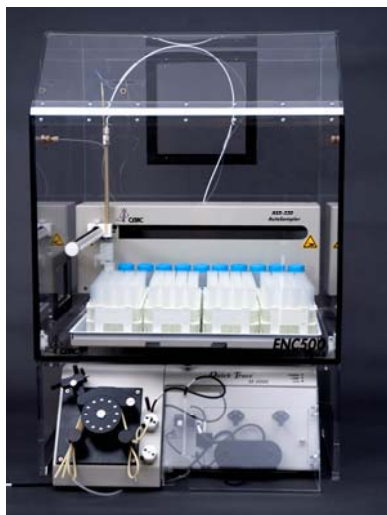


The QuickTrace™ M-6100 Mercury Analyzer easily achieves the mercury detection limit of < 10 ppt which is more than acceptable for laboratories employing EPA Method 245.1. The QuickTrace™ M-6100 is also versatile enough to analyze samples > 500 ppb without dilution. The QuickTrace™ M-6100 is used throughout the world to analyze samples in the broad spectrum of mercury samples from sewage effluents to drinking water.

The QuickTrace™ M-7500 Cold Vapor Atomic Absorption Mercury Analyzer is ideal for low ppt to sub-ppm mercury quantitation. The QuickTrace™ M-7500 is designed for routine use in a variety of settings, including environmental laboratories, industry, and research institutes, for virtually any aqueous acidified sample.

The QuickTrace™ M-7500 Mercury Analyzer easily achieves the trace mercury detection limit of < 1.0 ppt demanded by customers employing performance based EPA method 245.7. It is also versatile enough to analyze samples > 500 ppb without dilution. The QuickTrace™ M-7500 is used throughout the world to analyze samples in the broad spectrum of mercury samples from clinical / biological to seawater samples. Common applications include water and waste-water, soil and sediment, and biological tissues and fluids. Switch between low ppm and ppt analysis without hardware or tubing configuration changes.





The QuickTrace™ M-8000 Cold Vapor Atomic Fluorescence Mercury Analyzer is ideal for sub-ppt to sub-ppm mercury quantitation.

The QuickTrace™ M-8000 Mercury Analyzer easily achieves the ultra-trace mercury detection limit of < 0.05 ppt demanded by customers employing EPA method 1631. The QuickTrace™ M-8000 is also versatile enough to analyze samples > 400 ppb without dilution. The QuickTrace™ M-8000 employs three modes of operation for mercury determination.

Mode 1: Cold Vapor Atomic Fluorescence Spectroscopy (CVAFS)

Mode 2: Cold Vapor Atomic Fluorescence Spectroscopy Single Gold Trap Amalgamation (CVAFS-SGTA)

Mode 3: Cold Vapor Atomic Fluorescence Spectroscopy Double Gold Trap Amalgamation (CVAFS-DGTA)

The QuickTrace™ M-8000 has the ability of switching modes via software method changes. The QuickTrace™ M-8000 mode switching capabilities between low ppm and ppt analysis is accomplished without hardware or tubing configuration changes.

	M-6100	M-7500	M-8000
Detection Range	< 10 ppt to > 500ppb	< 1 ppt to > 500ppb	< 0.05 ppt to >400ppb
System Type	CVAA	CVAA	CVAF
Detector	CCD	Deep well photovoltaic	Filtered photomultiplier
Peristaltic Pump	2 Speed	Variable speed	Variable speed
Sample Uptake	≈ 5mL/min	Variable	Variable
Gas Flow Control	Manual	Computer control	Computer control
Autosampler	ASX-130, ASX-260, ASX-520, EXR-8	ASX-130, ASX-260, ASX-520, EXR-8	ASX-130, ASX-260, ASX-520, EXR-8
Sample Racks	Maximum 8	Maximum 8	Maximum 8
Sample Capacity	Autosampler Dependent Max = 720	Autosampler Dependent Max = 720	Autosampler Dependent Max = 720
EPA Methods	245.1, 245.5, SW 846, (7470, 7471)	245.1, 245.5, 245.7, SW 846, (7470, 7471)	245.1, 245.2, 245.7, 1631, SW 846, (7470, 7471)
Optional Autodilutor	Yes	Yes	Yes
Throughput at:			
0.2 ppb MDL	1 sample/60 sec	1 sample/60 sec	1 sample/60 sec
0.5 ppt MDL	N/A	N/A	1 sample/90 sec
GLS Overflow Sensor	No	Yes	Yes
Optional Enclosure	Yes	Yes	Yes