



CETAC QuickTrace™ Mercury Analyzers

CETAC Technologies QuickTrace™ Mercury Analyzers, QuickTrace™ software and CETAC automation products are equipped with a myriad features to assist today's laboratory technician, chemist or lab manager in meeting the many 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-7600 Cold Vapor Atomic Absorption Mercury Analyzer is ideal for ultra-trace to sub-ppm mercury quantitation. The QuickTrace™ M-7600 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-7600 Mercury Analyzer easily achieves the ultra-trace mercury detection limit of < 0.5 ng/L demanded by customers employing performance based EPA method 245.7. It is also versatile enough to analyze samples > 500 µg/L without dilution. The QuickTrace™ M-7600 can be used 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 ultra-trace and sub-mg/L analysis without hardware or tubing configuration changes.

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

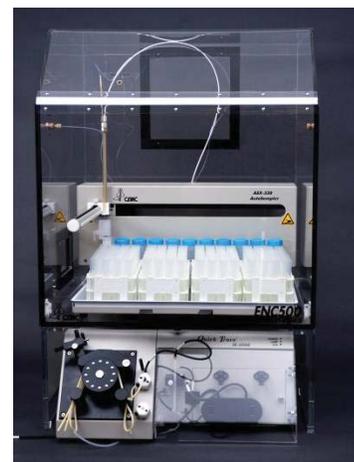
The QuickTrace™ M-8000 Mercury Analyzer easily achieves the ultra-trace mercury detection limit of < 0.05 ppt demanded by customers employing EPA method 1631. The QuickTrace™ M-8000 is also versatile enough to analyze samples > 400 ppb without dilution. The QuickTrace™ M-8000 employs three modes of operation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



FREEDOM OF CHOICE

CETAC Technologies provides our customers the freedom to choose an autosampler for their mercury system that will meet their laboratories sample load requirements. The choice of autosampler is available for any of our QuickTrace™ Mercury Analyzers. Available CETAC autosamplers include the ASX-130, ASX-260, and ASX-520 and XLR-8. Manual sampling is also available with the option to add autosamplers as sample demand increases.



	ASX-130	ASX-260	ASX-520
Tray	9 Standards, 1 Sample Rack	10 Standards, 2 Sample Racks	10 Standards, 4 Sample Racks
Capacity	90 samples	180 samples	360 samples
Dimensions (H x W x D)	61 cm x 33 cm x 33 cm (24" x 13" x 13")	61 cm x 33 cm x 51 cm (24" x 13" x 20")	61 cm x 52 cm x 48 cm (24" x 20.5" x 19")
Weight	8.4 kg (18.5 lbs)	8.4 kg (18.5 lbs)	10.5 kg (23 lbs)
Computer Interfaces	RS-232 and/or USB	RS-232 and/or USB	RS-232 and/or USB
Power Requirements	100-240 VAC ± 10%, 50/60	100-240 VAC ± 10%, 50/60	100-240 VAC ± 10%, 50/60

CETAC QUICKTRACE™ MERCURY ANALYZERS COMPARISON

	M-7600	M-8000
Guaranteed Range*	< 0.5 ppt to >500ppb	< 0.05 ppt to >400ppb
System Type	CVAA	CVAF
Detector	Filtered CCD	Filtered photomultiplier
Peristaltic Pump	Variable speed	Variable speed
Sample Uptake	Variable	Variable
Gas Flow Control	Computer control	Computer control
Autosampler	ASX-130, ASX-260, ASX-520, XLR-8	ASX-130, ASX-260, ASX-520, XLR-8
Sample Racks	Maximum 8	Maximum 8
Sample Capacity	Autosampler Dependent Max = 720	Autosampler Dependent Max = 720
EPA Methods	245.1, 245.5, 245.7, SW 846, (7470, 7471)	245.7, 1631
Optional Autodilutor	Yes	Yes
Throughput at:		
≤ 0.05 ppb MDL	1 sample/60 sec	1 sample/60 sec
0.5 ppt MDL	1 sample/200 sec	1 sample/90 sec
GLS Overflow Sensor	Yes	Yes
Optional Enclosure	Yes	Yes

* Three orders of magnitude are guaranteed within any given range, an example would be a calibration of 10, 100, 1000 and 10,000 ppt.