

Atomic Fluorescence Spectrometer

Dual-channel atomic fluorescence measurement for trace-element analysis, using vapor generation and gas-liquid separation. Select lamps, chemistry and sample preparation for each element.



Technical Information

Simultaneous elements	2
Detection limit: As, Se, Pb, Bi, Sb, Te, Sn	<0.03 µg/L
Detection limit: Hg, Cd	<0.005 µg/L
Precision (RSD)	≤1.0%
Linear range	>10 ³
Detection limit: Ge	<0.1 µg/L
Detection limit: Zn	<1.0 µg/L
Detection limit: Au	<3.0 µg/L
Peristaltic pump rollers / channels	10 / 6
Communication	RS232

Standard Configuration

The instrument configuration and supplied accessories must be itemized in the quotation. A feature described here does not imply that every accessory pictured is included.

Optional Configuration

Optional upgrades include syringe-pump sampling, a 200-position autosampler, solenoid valve configuration and elemental speciation analysis. Confirm lamps and gas/reagent requirements by application.

Selection and ordering

State the PRECETTA model, application, selected configuration, quantity and destination. Download the complete PDF for all verified specifications and configuration details. Confirm site utilities and sample compatibility before ordering.

Technical Information

Element applications include As, Hg, Se, Pb, Ge, Sn, Sb, Bi, Cd, Te, Zn and Au. Coded hollow-cathode lamps, photomultiplier detection, intermittent sampling, six-channel peristaltic pumping, two-stage gas-liquid separation, quartz-furnace atomization and harmful-element trapping are documented. Software supports condition optimization, blank-wash monitoring, graphs, statistics and Excel export; gas-loss warning is provided. Detection limits are element-specific and depend on preparation and operating conditions.