

AF-610B Atomic Fluorescence Spectrometer



- Low cost and perfect performance for analysis of typical heavy metal elements.
- Comparable with ICP-MS!
- Upgrade to atomic fluorescence speciation analyzer!
- Single channel, no interferences between channels!

- Comparable analysis performance with ICP-MS: ultra trace level (ng/mL) determination of As, Sb, Bi, Zn, Cd, Hg, Ge, Sn, Pb, Se and Te.
- Advanced gas-liquid separator, with higher signal-to-noise ratio
 - Comparable performance with Nafion drier;
 - Anti-foaming design, especially suitable for ion pair separation method;
 - Waste liquid auto drain design, no peristaltic pump is necessary.
- Low temperature atomization technique
 - Argon-hydrogen flame auto ignition;
 - Stable temperature control system;
 - Very high stability atomization efficiency.
- Long life (3 years) and high efficiency (70%) active and recycling mercury trap.
- Powerful function and upgrading capability
 - Adding PDI-10 UV digestion device and work station, and coupled with chromatographs realizes speciation analysis of As, Hg, and Se.
 - Adding WM-10 Ultra-trace Hg determination device to determine directly the ultra-trace Hg in water samples of surface water, sea water, tap water and source water, etc.
 - Adding VM-10 Gaseous Hg determination device to determine directly the ultra-trace Hg in gas sample of air, natural gas, laboratory and working environment, etc.
 - Two kinds of autosamplers available for fully automatic operation.