

AFS SERIES

AF-7500 Atomic Fluorescence Spectroscopy with Auto-Sampler



- The AF-7500 can analyze two elements simultaneously. It can be used to detect low and trace concentrations of elements including As, Sb, Bi, Se, Sn, Pb, Ge, Te, Zn, Cd, and Hg.
- By using a peristaltic pump and an 8-way valve for sample injection, the AF-7500 is capable of analyzing one sample while taking in another sample. The system is able to switch between samples without them interfering with one another. This feature allows the user to double the throughput of the instrument as compared to other similar AFS instruments.
- By using an infrared controlled membrane gas/liquid separation system we can expel waste without it going through the pump, and thus realize colorless flame. Additionally, by using an infrared detector to control the liquid level, we improve analysis precision.
- The screen low temperature ignition quartz atomizer uses infrared heating for fast heating and higher durability.
- With the upgrade, the instrument can be used for the analysis of arsenic, mercury, selenium, antimony and other elements.