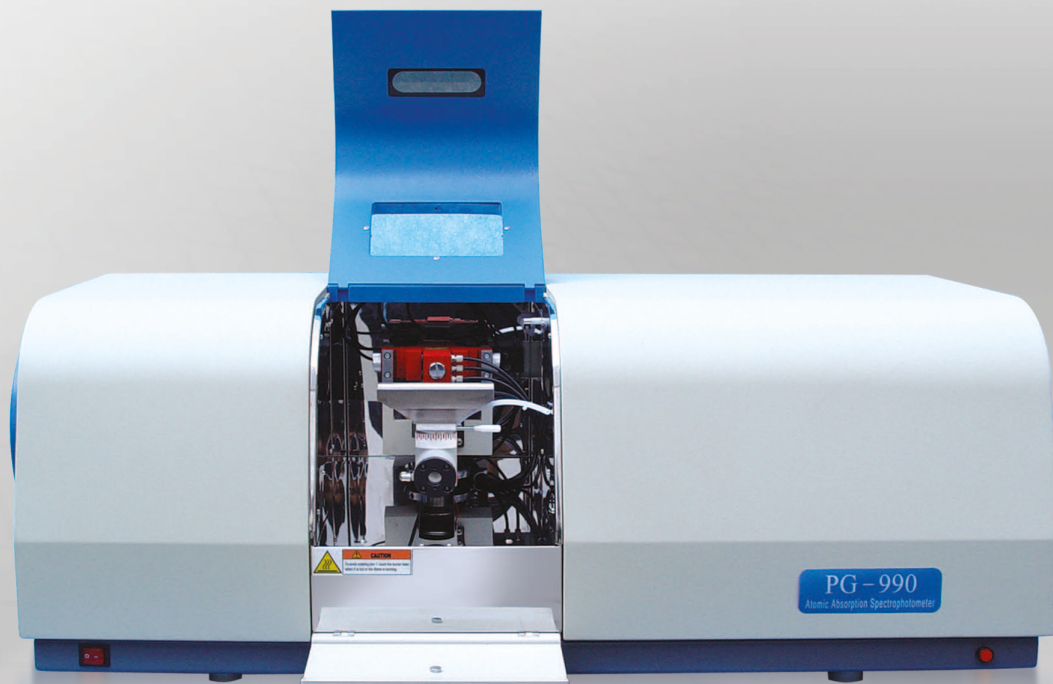


Atomic Absorption Spectrometer



Features

Fully Automated

- The flame and graphite furnace is integrated into one instrument. The change over from one technique to another is carried out by simple key strokes within the software.
- The instruments have a motorised 8 hollow cathode lamp turret which allows the automatic positioning and optimization of each hollow cathode lamp by the software.
- The spectral bandwidth is automated and is available with choice of five slit sizes

Advanced Graphite Furnace

- Horizontally heated platform graphite Tube. The unique design of graphite furnace reduces the chemical interference effects and memory effects by uniformly heating the graphite electrode.
- The computer controlled heating program allows the users to select the best heating program for the analysis.
- The optical temperature during the atomization stage ensures the rapid heating and rapid analysis. This helps to extend the life of graphite tube and enhance the analytical accuracy.

Proven Safety Features

- The flame conditions are continuously monitored and should be flow rates change an audible alarm sounds.
- The pressure of support gas(oxidant) is monitored constantly. If the pressure changes then the flow of the fuel gas will be stopped and the flame will be safety extinguished.
- A sensor monitors the level of liquid in the drain and will prevent ignition if it is too low. The flame will also be extinguished of the level of liquid in the drain change significantly.
- The argon pressure of the graphite furnace is constantly monitored and should it change the heating cycle for the graphite electrode will immediately cease and the graphite electrode will be de-energised.
- Cooling water flow rates for the graphite furnace are also monitored for change and should changes occur the heating program will cease.
- If the graphite tube should facture during the heating program the heating will cease.

Atomic Absorption Spectrometer

Specifications

Optic System

Wavelength Range	190nm-900nm
Monochromator	Czemy-Turner Configuration
Spectral Bandwidth	0.1nm,0.2nm,0.4nm,1.0nm,2.0nm(5 steps,Automatic Changeover)
Wavelength Accuracy	±0.25nm
Wavelength Repeatability	0.15nm
Baseline Stability	0.005A/30min

Flame Analysis

Sensitivity(Cu)	<0.03µg/ml/1%
Burner Head	Titanium Alloy Burner
Nebulizer	High-Efficiency Glass Nebulizer
Atomization Chamber	Corrosion-Resistant Material
Position Adjustment	Automatic Changeover of Flame and Furnace
	Automatic Setting of Optimum Height for Flame Burner
Safety	Automatic Ignition and Off Mixing Air-Acetylene Gas with Safety Control

Graphite Furnace Analysis

Character Value(Cd)	0.5Pg
Temperature Range	Ambient-2650□
Heating	Voltage Feedback Control When Drying And Ashing
Heating program	Up to 9 Steps with Choices of Ramp, Temperature Increase and Full-Power Heating

Background Correction

Deuterium Lamp Background Correction	1.0A
Self-Reversal Background Correction	1.0A