

AA-1800 atomic absorption spectrophotometer is absorbed the latest international technology and famous universities jointly complete R & D, application experience with decades of spectral instrument. The products include the flame , graphite furnace and hydride generation system, can be equipped with various accessories, flexible configuration program can meet different customer demand. AA-1800 atomic absorption spectrometer can be used for analysis of complex samples ,full automatic multifunctional, various analysis methods can automatically switch, unmanned automatic analysis.

AA-1800 atomic absorption spectrophotometer is now widely used in scientific research,quality control, disease control, environmental protection, metallurgy, agriculture,chemical industry .Hardware and software design of innovation to ensure the accuracy,safety, ease of use in the analysis of samples, equipment maintenance, simple and convenient.

## AA-1800S Graphite Furnace Atomic Absorption Spectrometer

### Mainframe

Light Source	≤6 lamps automatic turret,automatic alignment
Power Supply	110/220V (+5% - -10%), 60/50Hz; 5000VA
Lamp Current	pulsed power supply
Optical System	large 1800 /mm grating ruling, full closed optical system
Wavelength Range	180nm-900nm Automatically peak find,a key optical optimization function
Wavelength Accuracy	±0.15nm
Wavelength Repeatability	±0.1nm
Spectral Bandwidth	0.1nm, 0.2nm, 0.4nm, 1.0nm, 2.0nm (5 steps with automatic changeover)
Baseline Stability	≤±0.002A/30 min (Static) ≤±0.005A/30min (Dynamic)
Absorbance Range	0-4A
Detector	imported photomultiplier tube

### Graphite Furnace Analytical System

Heating Mode	vertical heating
Temperature Control Method	vertical optical temperature monitoring graphite tube wall temperature
Temperature Range	room temperature to 3000°C
The Program	automatic temperature control up to 20 order
Temperature Control	the furnace enriched up to 20 times
Characteristics Volume	0.5 × 10 <sup>-10</sup> g (Cd)
Detection Limit	0.4 × 10 <sup>-10</sup> g (Cd)
Precision	RSD≤3%
The Cooling Water	can choose cooling water circulation system
Safety	the graphite tube damage, water flow air pressure and other alarm,temperature overheating protection

### Autosampler Graphite Furnace

Sample Tray	70 sample cups, 6 reagent cup
Sample Volume	1-100μl
The Smallest Lincrement	0.1 μl
The Volume of Sample Repeatability Volume	better than 1%(at the time of 10mL-100mL)
Repeated Sampling Frequency	up to 99 Times
Cleaning and Waste Container Volume	each 500mL