



Flame graphite furnace atomic absorption spectrometer

Mainframe	AA-1800H	AA-1800E
Light Source	≤6 lamps automatic turret, automatic alignment	≤8 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	
Flame Analytical System		
Burner Head	full titanium combustion head, 50mm or 100mm general combustion head	
Atomization Chamber	polymer explosion-proof spray chamber	
Nebulizer	atomizer efficient glass atomizer, can also be customized	
Ignition Type	microcomputer control, automatic ignition	
Gas Control	automatic gas control system	
Detection Limits(Cu)	0.002µg/mL	
Precision	RSD≤0.5%	
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 ⁻¹⁰ g (Cd)	
Detection Limit	0.4 × 10 ⁻¹⁰ 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	