

# AA-1800EL Atomic Absorption Spectrophotometer

Eight lamp flame/graphite furnace intergrated machine



## Technical parameters

- Light Source: ≤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: 185nm-900nm, Automatically peak find, a key optical optimization function
- Wavelength Accuracy: ±0.15nm
- Wavelength Repeatability: <0.1nm
- Spectral Bandwidth: 0.1、 0.2、 0.4、 0.7、 1.0、 1.4、 2.0nm (7 steps with automatic changeover)
- Baseline Stability: ≤±0.002A/30 min (Static) ≤±0.004A/30min (Dynamic)
- Absorbance Range: 0-4A

## Flame Analytical System

- Detector: imported photomultiplier tube
- 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): 0.002 μg/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: 0.4 × 10<sup>-12</sup>g (Cd)
- Detection Limit: 0.4 × 10<sup>-12</sup>g (Cd)
- Precision: RSD ≤2%
- The Cooling Water: can choose cooling water circulation system
- Safety: the graphite tube damage, water flow air pressure and other alarm temperature overheating protection