

AA-1800DL Atomic Absorption Spectrophotometer

Eight lamp flame method



Main features

- Polymer spray chamber**
 - Polymer materials corrosion spray chamber, acid and alkali resistance, including hydrofluoric acid, either organic or inorganic solution can be the highest sensitivity and stability
- Titanium burner**
 - Titanium burner, the optional 50mm and 100mm burner, air cooling pre mixed type, corrosion resistant, resistant to high salt, greatly improve the analysis efficiency and accuracy of the flame
- Automatic analysis**
 - It can automatically accomplish safety ignition, extinction and switching, reliable structure, low fault rate, thus ensuring the sensitivity and reproducibility of the flame method.
 - The light source system six lamp automatic conversion, can be directly used high performance hollow cathode lamp, improve the sensitivity analysis of the flame, the automatic adjustment of the power supply parameters and the beam position, automatic wavelength scanning and searching peak
- Software function**
 - High intelligent software, powerful function, friendly interface English operation. Automatic instruments and additional control, flame, graphite furnace operating mode can be switched automatically, automatic optimization, automatic dilution; mouse operation, automatic setup menu data and correction method

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: <0.10nm
- 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%