AA1700 Atomic Absorption Spectrophotometer
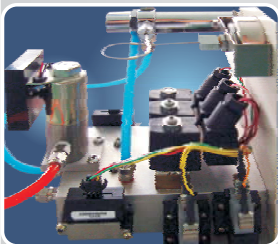
High stability
Most universal
Easy installment
Very competitive price
Excellent after-sales service
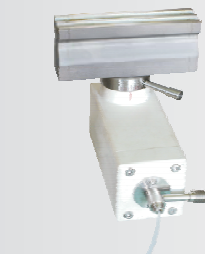
■ Instrument feature

★ **Atomizer auto/manual switch, auto-ignite, auto-extinguish and flow self-adjustment**

★ **10-lamp turret**

★ **Abnormal protection, acetylene leaking alarm, undervoltage protection**

★ **Total-titanium burner of high-temp. resistance and corrosion resistance, inertia polyphenylene sulfide spray chamber to guarantee easy-wash and memory-less effect.**

★ **Automatic analysis by PC and AAWinLab workstation software, support GMP and GLP**

★ **Can incorporate autosampler and hydride generator**

Dual atomizer automatic or manual switcher

Integrated gas course valve island

Full titanium burner head
Polyphenylene sulfide atomizing chamber

Graphite furnace autosampler

■ Technical spec

Optical spec

- Wavelength scope: 190–900nm
- Wavelength repeatability: ≤0.05nm
- Spectrum bandwidth: 0.1, 0.2, 0.4 and 1.0nm
- Static baseline stability: ≤0.001A/30min
- Dynamic baseline stability: ≤0.003A/30min
- Resolution: ≤0.2nm
- Accuracy: ≤ ±0.1nm
- Background correction: Deuterium lamp: ≥50 @1A/Self-absorption : ≥50 @1A

Flame spec

- Characteristic concentration: 0.02μg/ml(Cu)
- Detection limit: 0.003μg/ml(Cu)
- Precision RSD≤0.5%
- Burner: total-titanium 50 or 100mm, interconvertible
- Position adjust: best position and front-back position auto setting
- High-temp. flame: 4mg/L Ba generate >0.15Abs

Graphite furnace spec

- Characteristic quantity Cd: 0.3×10^{-12}g
- Detection limit Cd: 0.2×10^{-12}g
- Precision RSD≤2%(manual sampling-inlet)
- Temperature-ramp speed≥2000℃/s
- Temperature range: RT~3000℃
- Heating: 9-step, inclination, step and max power
- Temperature control: power at dry-ashing period, spectro-control max power at atomization period
- Applicable for platform-tube and non platform-tube

Graphite furnace autosampler spec

- Intelligent sample preparation , automatic dilution and self-diagnosis
- Max sampling-inlet 50μL, sampling precision 1.0μL, repeatability RSD≤1%
- Sample number: 50pcs(2mL specimen cup), 5pcs(25mL reagent cup)

AAS main frame basic info

- Dimension(L*H*W): 610*500*450(mm)
- Net weight: 45kg
- Power: 150W
- Voltage: AC220V±22V, 50Hz±0.5Hz

AAS graphite furnace basic info

- Dimension(L*H*W): 240*500*450(mm)
- Net weight: 60kg
- Power: 3600W
- Voltage: AC220V±22V, 50Hz±0.5Hz