

Atomic Absorption Spectrophotometer

AAS -3700



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

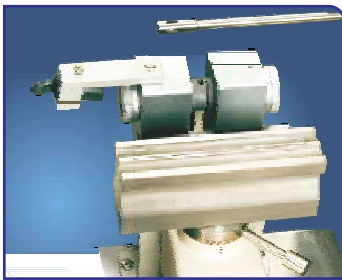
Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ **Instrument feature**

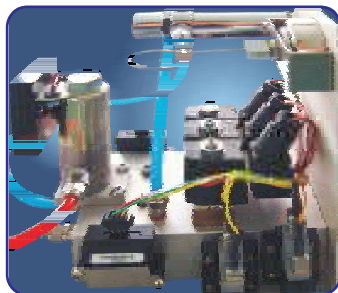
- Atomizer auto/manual switch, auto-ignite, auto-extinguish and flow self-adjustment
- 10-lamp turret
- 1800line/mm Czerny-Turner grating
- Abnormal protection, acetylene leaking alarm, undervoltage protection
- Total-titanium burner of high-temp. resistance and corrosion resistance, inertia polyphenylene 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



Full titanium burner
head
Polyphenylene
sulfide atomizing chamber



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

Graphite furnace spec

- Characteristic quantity Cd : 0.3×10^{-12} g
- Detection limit Cd : 0.2×10^{-12} g
- Precision RSD : $\leq 2\%$ (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 50 L, sampling precision 1.0 L, repeatability RSD $\leq 1\%$
- 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 ± 22 V, 50Hz ± 0.5 Hz

AAS graphite furnace basic info

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

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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