



# ATOMIC ABSORPTION SPECTROPHOTOMETER BAAS-606

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An analytical technique used to measure the concentrations of elements in a sample. The system is incredibly sensitive and can detect down to micrograms ( $\mu\text{g}$ ). It is performed by focusing a beam of known wavelength of ultraviolet (UV) light through a flame and into a detector.

Used in Food and Beverage Industry, Water Analysis, Clinical Research, Pharmaceutical, Mining and Geology, Environmental Monitoring, Oil and Petroleum, Forensics..

Also known as Atomic Absorption Spectrometry, Metal Analysis Spectroscopy..

## BAAS-606 ATOMIC ABSORPTION SPECTROPHOTOMETER



Eight lamp flame/graphite furnace integrated machine. Imported photomultiplier tube. The graphite tube damage, water flow air pressure and other alarm temperature overheating protection.

## SPECIFICATIONS

Model	BAAS-606
Light Source	8 lamps automatic turret, automatic alignment
Power Supply	110/220 V (+5% ~ -10%), 60/50 Hz; 5000 VA
Lamp Current	Pulsed power supply
Optical System	Large 1800 /mm grating ruling, full closed optical system
Wavelength Range	185 - 900 nm. Automatically peak find,a key optical optimization function
Wavelength Accuracy	$\pm 0.15 \text{ nm}$
Wavelength Repeatability	$< 0.01 \text{ nm}$
Spectral Bandwidth	0.1, 0.2, 0.4, 0.7, 1.0, 1.4, 2.0 nm (7 steps with automatic changeover)
Baseline Stability	$\leq \pm 0.002\text{A}/30 \text{ min}$ (Static) $\leq \pm 0.004\text{A}/30\text{min}$ (Dynamic)
Absorbance Range	0 - 4 A
Flame Analytical System	
Detector:	Imported photomultiplier tube
Burner Head:	Full titanium combustion head, 50 mm or 100 mm 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 $\mu\text{g/mL}$
Precision:	$\text{RSD} \leq 0.5\%$
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 x 10 - 12 g (Cd)
Detection Limit: Graphite Furnace Analytical System:	0.4 x 10 - 12 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 alarmtemperature overheating protection



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