



# Flame Atomic Absorption Spectrophotometer

## Flame Atomic Absorption Spectrophotometer LAAS-A12

Flame Atomic Absorption Spectrophotometer LAAS-A12 is a microprocessor controlled instrument based on analysis of metal ions by flames and their absorption at a wavelength of 190 to 900 nm. The C-T monochromator and variance of bandwidth provides user flexibility. Equipped with safety features like auto shut on acetylene gas leakage makes this instrument user friendly

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### Features

- Auto-setting for flow, ignition and flameout protection
  - Automatic control for scanning wavelength and peak
  - Single slit titanium metal burner
  - Photomultiplier detector
  - Corrosion resistant atomizing chamber
  - Glass, plastic and stainless steel sprayer
  - Real time monitoring for flame and pressure
  - Auto shut on acetylene gas leakage for end user safety
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### Applications

Used for analysis of metal element in opaque materials, life science, detection of trace metal elements in food, medical etc.

## Specification

Model No.	LAAS-A12
Wavelength range	190 nm - 900 nm
Spectral bandwidth	0.1 nm, 0.2 nm, 1.0 nm, 2.0 nm
Wavelength accuracy	± 0.25 nm
Wavelength repeatability	0.15 nm
Temperature	15 °C to 30 °C
Humidity	≤ 75 %
Monochromator	C-T
Optical system	1800 lines / mm
Detector	Photomultiplier
Quality concentration	3.0 µg / ml
Absorbance	> 0.300 Abs
LOQ	(Cu) 0.006 µg / ml
Burner	100 mm metallic titanium
Repeatability	RS D ≤ 1 %
Sprayer	Glass, plastic and stainless steel
Atomization chamber	Corrosion resistant
Safety protection	Turn off alarm for acetylene gas leakage
Measurement method	Air-acetylene flame / hydride generator atomic absorption method
Concentration calculation	Standard curve, automatic matching, standard addition
Power	150 W
Power supply	AC 220 V / 50 Hz
Dimensions	1000 x 350 x 390 mm
Weight	70 Kg