



ICP Spectrometer

LICP-A12

ICP SPECTROMETER LICP-A12

ICP Spectrometer LICP-A12 detects micro and macro elements using argon plasma with an analyzing rate of 10 elements per minute. Results can be achieved with lower levels of detection for qualitative and quantitative analysis. Detection of liquid flow from the spray chamber by optical drain sensor offers exceptional sensitivity and accuracy. Accurate signal-background ratio is attained by advanced control system.

Features

- Rapid analysis – 15 elements per minute
- Optical pathway – Czerny-turners
- Low detection limit
- Detection of multi-elements including non-metallic
- Single and multi-element measurement method
- Indication for wavelength error and repeatability
- Range of measurement – common to trace

Applications

Used in clinical analysis for detection of metals in biological fluids , environmental analysis for trace element detection in water , soil , plants , pharmaceuticals for traces of catalysts and poison metals like Cd , Pb , industries for noble metal detection

Specifications

Model No.	LICP-A12
Wavelength range	195 to 800 nm
Elements per minute	10 elements
Temperature range	32 °C
Incident slit	20 µm
Standard deviation	RSD ≤ 2 %
Correlation coefficient	≥ 0.9995 %
Gas source	Argon (99.99 %)
Plasma gas flow meter	100 ~ 1000 L / h (1.6 - 16 L / min)
Auxillary gas flow meter	10 ~ 100 L / h (0.16 – 1.66 L / min)
Carrier gas flow meter	0 ~ 5 L / min
Cooling water flow rate	5 L / min
Cooling water temperature	20 ~ 26 °C
Water outlet diameter	10 mm
Line dispersion rate	0.26 nm
Resolving power	≤ 0.008 nm
Co-axial sprayer diameter	6 mm
Coil diameter	25 mm (3 turn)
Double room fog diameter	34 mm
Quartz tube torch diameter	20 mm
Mirror dimensions	78 x 105 x 16 mm