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Double Beam Spectrophotometer JPI-9034

Standards:

Specification:

Salient Features

- Highly stable and accurate
- True double beam optics
- 8 lamp turret
- User friendly software
- Range: 185 - 930 nm
- 1800 lines grating (USA)
- Variable bandwidth software



Computer controlled, high performance, optically double beam atomic absorption spectrometer having following specifications.

Optics

Real time double beam with Deuterium background

Monochromator

CZ design with 330 mm focal length, 1800 line/mm grating and 185-930 nm wavelength range. Automatic emission wavelength selection and peaking. Continuously variable slits with 0.2 to 2 nm spectral bandwidth. Automatic wavelength scanning. Selected wide range.

Detector

High performance multi-alkali photo multiplier tube R928

Motorized Lamp Turret

Eight lamp motorized turret with automatic lamp selection and individual lamp peaking automatically warmed up. Compatible with standard & coded hollow cathode lamps

Background Correction

Deuterium arc radiation Ultra Fast-Pulse 1024 Hz background corrector wave length correction range 185-425 nm, Corrects to 2.5 total absorbance

Nebulizer

Fully inert nebulizer

Spray Chamber

PTFE spray chamber and adjustable impact bead aerosol.

Burner

Titanium burner for C₂ H₂ - N₂O & C₂H₂ - AIR

Automatic Flame Control Unit

Programmable gas controller with digital display of flow, Full safety interlock including built in pressure regulator on both lines, power failure protection, auto shut down of flame, burner drain, door interlock and electronic flame igniter & real time status sensing, fitted bung and pressure relief bung.

Sensitivity

Greater than 0.7 abs for 5mg/L copper solution with an RSD of less than 0.5% characteristics concentration of copper 0.030 ug/ml.

Output Port

USB Connectivity for PC

Software

Windows 10 based user friendly software.

Dimension

100 x 55 x 58 cm (L x H x W) cm

Weight

65 kg, Unpacked

Electrical Requirements

220/240 V AC, 50/ 60 Hz, 800 VA

Hollow Cathode Lamps

67 Element high intensity single element available

Accessories

Software CD

USB Cable

Manual

Cathode Lamps (optional)

Acetylene Cylinder (optional)

Nitrous Oxide Cylinder (optional)

Regulators (optional)

Moisture Filter (optional)