

IV-2100 ATOMIC ABSORPTION SPECTROPHOTOMETER

PRODUCT FEATURES

- Highly Stable and accurate
- Single Beam Optics
- 8 lamp turret
- Range 190-900 nm
- 1800 lines grating (USA)
- user-friendly software

ACCESSORIES

- Cathode lamp 3 Nos
- Acetylene cylinder
- Acetylene cylinder regulator
- Compressor
- Moisture filter
- Software
- USB cable
- Instructional Manual

OPTIONAL ACCESSORIES

- Nitrous Oxide cylinder
- Argon cylinder
- Fume-hood
- VGA (Vapour Generation Accessories)

SINGLE BEAM



Technical specification

Parameter	Computer controlled, High performance, optically single beam Atomic Absorption Spectrometer having following specifications.
Optics	Real-time Single 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 Photomultiplier 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
Flame Control	Manual flame control fully safe and sturdy having independent flow meter regulator for fuel and oxidant.
Nebulizer	Fully inert nebulizer
Spray Chamber	PTFE spray chamber and adjustable impact bead aerosol.
Burner	Titanium burners for C ₂ H ₂ - N ₂ O & C ₂ H ₂ -AIR
Sensitivity	Greater than 0.7 abs for 5 mg/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 (LxHxW)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.