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Atomic Absorption Spectrophotometer (Single Beam)

Product Image



Description

Catalog No: 100090

Atomic Absorption Spectrophotometer (Single Beam)- Model 2100

SALIENT FEATURES

- ✓ Highly Stable and accurate
- ✓ Single Beam Optics
- ✓ 4 lamp turret
- ✓ user friendly software
- ✓ Range 190 - 900 nm
- ✓ 1800 lines grating

TECHNICAL SPECIFICATIONS

- | | |
|-------------------------|--|
| ✓ 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 Photo multiplier tube R928 |
| ✓ MOTORIZED LAMP TURRET | Four lamp motorized turret with automatic lamp selection and individual lamp peaking automatically warmed up. Compatible with standard & coded hollow cathode lamps |
| ✓ AUTOMATIC FLAME | Programmable gas controller with digital display of |

- ✓ **CONTROL UNIT** 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
- ✓ **NEBULIZER** Fully inert nebulizer
- ✓ **SPRAY CHAMBER** PTFE spray chamber and adjustable impact bead aerosol.
- ✓ **BURNER** Titanium burners for C₂ H₂ –N₂O & C₂H₂- 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** Rs232
- ✓ **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
- RS 232 Cable
- Manual
- 4 Cathode Lamps
- Acetylene Cylinder (Optional)
- Nitrous Oxide Cylinder (Optional)
- Regulators (Optional)
- Moisture Filter (Optional)

Disclaimer

The Products details given on this page are indicative in nature and JAPSON reserves the right to change them without prior notice. Buyer is also requested to re-check the specifications and other features of product at the time of order as product development is a continuous process and minor modifications may be made to design based on latest availability, process and design.