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# Atomic Absorption Spectrophotometer (Single Beam)

## Product Image

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## Description

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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 CZ design with 330 mm focal length, 1800 line/mm grating and 185-930 nm wavelength range. Automatic emission wavelength selection and peaking.
- ✓ MONOCHROMATOR 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 C<sub>2</sub> H<sub>2</sub> –N<sub>2</sub>O & C<sub>2</sub>H<sub>2</sub>- 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.