



**ZEAL INTERNATIONAL** (An ISO 9001 Certified Company)

**Head Office:** 1, Netaji Subhash Marg Daryaganj, New Delhi - 110002 INDIA

Phone: +91-11-23276114, 23244474, 23250281, 23278846 Fax: +91-11-43580558

**Branch Office:** 4/20 Kirti Nagar Industrial Area New Delhi - 110015 Phone: +91 11 45380800

**Warehouse:** 4/26 Kirti Nagar Industrial Area New Delhi – 110015

[info@zealinternational.com](mailto:info@zealinternational.com)

[sales@zealinternational.com](mailto:sales@zealinternational.com)

[support@zealinternational.com](mailto:support@zealinternational.com)

[quotation@zealinternational.com](mailto:quotation@zealinternational.com)

Visit us at: [www.zealinternational.com](http://www.zealinternational.com)

## Single Beam Spectrophotometer JPI-9033

Standards:

Specification:

### Salient Features

- Highly stable and accurate
- Single beam optics
- 8 lamp turret
- User friendly software
- Range: 190 - 900 nm
- 1800 lines grating



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

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 burner 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 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)