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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 C<sub>2</sub> H<sub>2</sub> - N<sub>2</sub>O & C<sub>2</sub>H<sub>2</sub> - 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)