



GSI-010 ATOMIC ABSORPTION SPECTROPHOTOMETER

TECHNICAL SPECIFICATIONS



SALIENT FEATURES

- Highly stable and accurate
- True double beam optics
- 8 lamp turret
- Range 185 - 930 nm
- Variable bandwidth 0.1 to 2 nm
- User friendly software

ACCESSORIES

- Software CD
- USB Cable
- Manual
- 4 Cathode Lamps
- Acetylene Cylinder (Optical)
- Nitrous oxide cylinder (Optical)
- Regulators (Optical)
- Moisture Filter (Optical)

- **PARAMETER** computer controlled, high performance, optical 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 varied up. Cathode lamps
- **BACKGROUND CORRECTION** Deuterium arc Radiation ULTRA FAST-PLUSE 1024 Hz background corrector wave length correction range 185-425 nm., Correct to 2.5 total absorbance
- **AUTOMATIC FLAME** Programable gas controller with digital Display of flow, full safety interlock including build in pressure regulator on both lines, power failure protection, auto shut down o flame, burner igniter & real time stutes sensing, fitted bung and pressure relief bung. Fully inert nebulizer.
- **CONTROL UNIT** PTFE spray chamber and adjustment impact bead aerosol.
- **NEBULIZER** Titanium burners for C2 H2-N2O & C2H2 -AIR
- **SPRAY CHAMBER** Greater than 0.7 abs for 5 mg/L copper solution with an RSD of less than 0.5% characteristics concentration of cooper 0.030 ug/ml
- **BURNET** USB, Wi-Fi, BLUETOOTH CONNECTIVITY FOR PC/INTERNET
- **SENSITIVITY** Windows 10 based user friendly software
- **OUTPUT PORT** 100 x 55 x 58 cm (l x H x W) cm
- **SOFTWARE** 65 Kg. Unpacked
- **DIMENSION** 220/240 V AC, 50/60 Hz, 800 VA
- **WEIGHT** 67 Element high intensity single Element available
- **ELECTRICAL REQUIREMENTS**
- **HOLLOW CATHODE LAMPS**

