

### **Specifications for UV-Vis Spectrophotometer.**

Spectrometer manufactured by an internationally reputed brand name company.

Double beam, single monochromator spectrophotometer

light source: Halogen, deuterium lamps

Wavelength range: 190 to 900 nm

Wavelength accuracy :  $\pm 0.2$  nm

Band width: 1 nm

Scan speed: 10 to 5000 nm/min

Photometric range -3.0 to +3.0 abs units

Detector: either photomultiplier tube or silicon photodiode to cover the entire wavelength range given above.

Power input: 220-240 V 50 Hz

Support data format: ASCII and TXT formats

software/programs: spectral scanning and recording, data analysis, fixed lambda measurement, time course measurement.

computer with preloaded Operating System, color monitor and laser printer all of which should be compatible and interfaced with the spectrometer for data collection and data analysis and data plotting.

On-site installation at free of cost

#### **Essential accessories:**

Quartz (to cover 190-900 nm) flow cell (optical path length 1cm and 0.5 cm) along with necessary tubings to measure spectrum under flow conditions.

Optical grade (320 to 900 nm) glass flow cell (optical path length 1cm and 0.5 cm)

Matched rectangular quartz cell (to cover 190-900 nm, optical path length 1cm and 0.5 cm) with teflon cap

Optical grade (320 to 900 nm) glass, optical path length 1cm and 0.5 cm) rectangular cell.

The quotation should be addressed to

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