

Call for Quotation for UV-Visible Spectrophotometer

Specification

- Grating (1200 lines/mm grating), aluminum body .
 - Monochromator : Czerny turner.
 - wavelength: 200-1000nm, band width: Fixed 2nm or better or variable B/W.
 - Instrument must be fully PC control with controlling software.
 - wavelength accuracy: $\pm 0.5\text{nm}$
 - wavelength Repeatability: 0.2nm;
- Baseline Flatness ± 0.003 Abs;
- Stray Light-: 0.05 % T @ 220 nm, 370 nm,
 - Lamps- Deuterium Lamp & Tungsten Halogen Lamp must have the provision to operate from separate control through PC.
 - Expansion of spectra & overlaying of spectra, 1st to 4th derivatives must be in the controlling software. Editing /saving the calibration curve is required in the software function.
 - Detector-Silicon Photodiode or PMT
 - Photometric Accuracy: $\pm 0.005A$ at 1Abs
 - Photometric Repeatability; 0.002Abs at 1Abs
 - Photometric Display Range: -0.3 to 2.5Abs, 0 to 100 % T,
 - Sample holder: At least 5 positions automatic,
 - The instrument must have the provision when the system is turned on it checks its electronic Sub systems and the unit goes through a wavelength calibration routine to ensure wavelength accuracy

Kajari

Kargupta 08/03/2017
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- PC control or USB to serial port.
- Credentials of the instruments should be attached.

Quotations are invited within 2 pm of 20.03.2017. The quotations will be opened on 20-03-2017 at 3 pm.

To
The Head,
Chemical Engineering Department
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