NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI-620015

CENTRE FOR ENERGY & ENVIRONMENTAL SCIENCE AND TECHNOLOGY

Tender No.6/2007

Item No. 7. CEESAT Spectroquant Photometer

SPECIFICATION FOR SPECTROQUANT PHOTOMETER

Photometric System	12 Filters in Array- Technique with reference beam.
Wave Length	340,410,445,500,550,565,605,620,665,690,820mm +nm hald band width 10nm.
Photometric Reproducibility	0.001A at 1.000A.
Photometric Resolution	0.001A.
Types of Determination	Absorbance, Concentration, Transmission.
Absorbance Range	-0.300A-3.200A
Light Source	Tungsten Halogen Lamp, Peset.
Cell Compartment	10,20,50 mm cuvettes and 16 mm round cells.
Warm with time	No warm –up time, measuring time 2 sec
Special Function	Auto Select function (Bar code), automatic cell recondition.
GLP Protocol	Real time clock in the photometer, 3 quality control modes (AOA).
Turbidity Corection	Simultaneous multiwavelength measurement to current turbidity.
PC Interface	RS 232 C serial interface for printer and computer stores up to 1000 results & 50 free programmable methods
Power supply	210-250V, 50Hz
Ambient Temperature	Storage: -25 C to +65 C Operation: +5C to 40C Allowable relative humidity annual mean 75%, 30 days / year 95%, other days 85%.
Dimension	140x270x260 mm (HxDxB)
Weight	2.8 Kg