



NEPHELO- TURBIDITY METER



132
Manual



135
Micro-Controller Based



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SYSTRONICS NEPHELO - TURBIDITY METER 132 & 135 is an accurate and elegant instrument designed for conducting nephelometric and turbidity measurements of suspended particles and colloids in solution. The principle of operation of this instrument is based on the well-known Tyndall effect. A beam of light passing through a turbid liquid being tested, scatters the light which, in turn, is collected at right angles by a Photodiode and indicated in a display. The amount of scattered light is proportional to the turbidity of the solution under test. The applications of turbidity measurements are vast in Municipal, Public Health, Sewage Works and in Industrial Establishments for determining quality of water/waste water.

SPECIFICATIONS

	132	135
Ranges	0-1000 NTU in 4 Ranges (Manual) (a) 0-1 NTU (b) 0-10 NTU (c) 0-100 NTU (d) 0-1000 NTU	0-1000 NTU in 4 Ranges (Automatic) (a) 0-1 NTU (b) 0-10 NTU (c) 0-100 NTU (d) 0-1000 NTU
Accuracy	±3% of FSD in 0-1 and 0-1000 NTU ±2% of FSD in 0-10 and 0-100 NTU	±1.5% of FSD in 0-500 NTU ±2% of FSD in 500-1000 NTU
Repeatability	±2% of FS (Std.)	±1% of FS (Std.)
Source	Projector Lamp	LED
Detector	Photodiode	Photodiode
Display	3½ Digit	2 Line 16 Ch. LCD
Calibration	Formazine Standard Solution	Formazine Standard Solution
Data Storage		Calibration & Data Stored in Memory
Printer Port		Epson Compatible 80 Column Dot Matrix
Power	230 Volts ±10%, 50Hz	230 Volts ±10%, 50Hz
Dimensions	265(W) X 300(D) X 170(H) mm	160(W) X 200(D) X 100(H) mm
Weight	3.7 kg (Approx)	1.5 kg (Approx)
Accessories	Flat Bottom Test tubes-(25 mm Ø) 4 Nos. & Light Shield	Flat Bottom Test tubes-(25 mm Ø) 4 Nos. & Light Shield



*Technical Specifications, Appearance & model number are subject to change without prior notice in keeping up with the state of art.