



# NEPHELO- TURBIDITY METER



**132**  
Manual



**135**  
Micro-Controller Based

**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
<b>Ranges</b>	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
<b>Accuracy</b>	±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
<b>Repeatability</b>	±2% of FS (Std.)	±1% of FS (Std.)
<b>Source</b>	Projector Lamp	LED
<b>Detector</b>	Photodiode	Photodiode
<b>Display</b>	3½ Digit	2 Line 16 Ch. LCD
<b>Calibration</b>	Formazine Standard Solution	Formazine Standard Solution
<b>Data Storage</b>		Calibration & Data Stored in Memory
<b>Printer Port</b>		Epson Compatible 80 Column Dot Matrix
<b>Power</b>	230 Volts ±10%, 50Hz	230 Volts ±10%, 50Hz
<b>Dimensions</b>	265(W) X 300(D) X 170(H) mm	160(W) X 200(D) X 100(H) mm
<b>Weight</b>	3.7 kg (Approx)	1.5 kg (Approx)
<b>Accessories</b>	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.