

AUTO RANGING DIGITAL CONDUCTIVITY / TDS METER TCM 15



- * Auto selection of range in 7 steps
- * Automatic temperature compensation
- * Direct display of conductivity
- * Variable cell constant
- * Inbuilt TDS measurement
- * Selectable temperature co-efficient

The Auto Ranging Digital Conductivity / TDS Meter is designed to eliminate operational difficulties in conductivity measurements. The solid state circuitry provides auto selection of ranges in seven steps and digital display of measured conductivity & cell constant. The novel feature of cell constant adjustment upto 3½ digits eliminates possibility of any error due to incorrect cell constant compensation. The capacitive & polarization effects are minimized by automatic selection of 200 Hz or 3 KHz frequency. Output for potentiometric recorder is available.

TECHNICAL SPECIFICATIONS

Range selection	:	Automatic/ Manual
Range auto selection	:	0 to 1999 milliS/cm In 7 ranges from 0-2 microS/cm, 0-20 microS/cm, 0-200 microS/cm, 0-2 milliS/cm, 0-20 milliS/cm, 0-200 milliS/cm, 0-2000 milliS/cm F.S.D.
Read out	:	3½ digit display with auto dot selection as per range selected
Accuracy	:	±0.5% of full scale
Test frequency	:	200 Hz or 3 KHz selected automatically to get optimum reading
Indications	:	Direct digital readout specific conductance in microS/cm or milliS/cm on a 3½ digit display with range indication by multi coloured LEDs.
Cell constant	:	Adjustable between 0.001 to 1.999
Temp. compensation	:	Manual/Automatic (0 - 100°C)
Recorder output	:	1.999 Volts F.S.D.
TDS range	:	0 to 1.32 x 10 ⁶ ppm
Dimensions	:	260 x 280 x 65 mm
Weight	:	1.7 Kg
Power requirement	:	230V AC ±10% 50 Hz
Standard supply	:	Basic unit, dust cover & operation manual
Essential accessory	:	Conductivity Cell of constants K= 1 or 0.1, at an extra cost
Optional accessory	:	Automatic Temperature Compensator at an extra cost