

Digital Conductivity/TDS Meter

641

Advantages

- Microcontroller Based
- Measures Conductivity and TDS
- Auto Ranging Facility
- Auto Cell Constant Measurement
- 3½ Digit Display



1 Year
Warranty

El's **Digital Conductivity/TDS Meter** Model 641 is an accurate test instruments for measurement of Conductivity and TDS of aqueous solutions. It uses the latest microcontroller technology to measure the Conductivity from $200\mu\text{S}$ to $1000\mu\text{S}$ and TDS from 200ppm to 1000ppt in 5 ranges respectively. The appropriate range is automatically selected by the instrument. The Resolution is $0.1\mu\text{S}$ for Conductivity and 0.1 ppm for TDS in the lowest range. The cell constant is flashed on a digital display and can be adjusted from the front panel. Facility is also provided for automatic measurement of cell constant with a known standard solution.

These instruments are ideal for monitoring salt contents in water and soluble salts in soils. They are extremely useful instruments for agriculture and soil analysis lab, swimming pools, fertilizer plants, mineral water plants, petroleum refineries, textile plants etc.



Digital Conductivity/TDS Meter

Technical Data

PARAMETER	Conductivity	TDS
DISPLAY	3½ Digit Bright Red LED Display	
RANGES	Five Ranges 0 - 200 μ S/cm 0 - 2 mS/cm 0 - 20 mS/cm 0 - 200 mS/cm 0 - 1000 mS/cm	Five Ranges 0 - 200 ppm 0 - 2 ppt 0 - 20 ppt 0 - 200 ppt 0 - 1000 ppt
RANGE SELECTION	Automatic	
RESOLUTION	0.1 μ S/cm in lowest range	0.1 ppm in lowest range
ACCURACY	± 0.5 % FS ± 1 Digit	± 0.5 % FS ± 1 Digit
TEMPERATURE COMPENSATION	Manual : 0 to 50°C	
CELL CONSTANT	Adjustable on Digital Display	
AUTO CELL CONSTANT MEASUREMENT	Available using any standard solution	
MEASURING CELL	Platinum DIP Type	
DIMENSIONS	270 x 202 x 80 mm (l x b x h approx.)	
WEIGHT	0.8 Kg approx.	
ACCESSORIES	Conductivity/TDS Cell , Operation Manual, Cell Stand, Dust Cover, 12V Adapter	
POWER	12V DC using Adapter 110 to 250V AC,50 Hz	

Note: All Conductivity/TDS Meters are supplied with Cell having cell constant of 1.0 approximately. Specifications are subject to change without notice due to continuous developments.

Product Range

Semi Auto Analyser, Single Beam and double Beam UV/VIS Spectrophotometer, Flame Photometers, Haemoglobin Meter, Digital pH, Meter, Digital Photo Fluorometer, Digital Conductivity Meter, Digital Photo Colorimeter, Turbidity Meter, Auto KF Titrimeter, Digital DO Meter, Digital Conductivity Meter, Digital TDS Meter, Temperature Indicator, Digital Telethermometer, Water & Soil Analysis Kit, Digital Salinity Meter, Digital Colony Counter, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Digital Tablet Disintegration Apparatus, Digital Friability Test Apparatus Tablet Dissolution Test Apparatus, Melting Point Apparatus, Student Microscope, Binocular microscope, Medical Microscope, Co-Axial Microscope.