

CM 183

PRODUCT SPECIFICATION SHEET

EC-TDS Analyser



Table Top



Touch Screen



Electrode

Microprocessor based, Auto Ranging EC-TDS Analyser.

Automatic / Manual Temperature compensation from 0 to 100°C .

Measures directly Electrolyte Conductivity (EC) at 25°C.

SALIENT FEATURES

- User friendly, Menu driven.
- Elegantly styled, Small, Laboratory Version.
- Wide range of measurements - 20 microS, 200 microS, 2 mS, 20 mS, 50 mS, 200 mS.
- Cell Constant 0.1, 0.5, 1.0 (Adjustable)
- Facility for measurement of absolute Cell Constant.
- Total Dissolved Solids (TDS) in water, Aqueous & Non-Aqueous solutions.
- For Conductometric Titrations of Acids, Bases and specific Organic compounds in Aqueous & Non-Aqueous and Biological media.
- Wide range measurements from power station boiler feed water.

APPLICATIONS

- For measurement of conductance of Aqueous & Non-Aqueous solutions in :

Cooling Towers: Demineralizer output, Reverse Osmosis, Steam Boilers, Condensate return, Water Streams, Boiler blow down, Acid, Salt and Alkali Concentrations, Laboratory Analysis, Fruit Peeling, Oceanography, Salinity & Desalinization, Level Detection, Chemical Streams etc.

- Industries & Sectors which use conductance :

Power Generation, Steel , Agriculture, Hospitals, Pharmaceuticals, Textiles, Chemicals, Biological, Semiconductor, Electroplating, Paper, Petroleum, Marine, Sugar, Food Processing, Beverage, Brewing etc.



Water



Agriculture



Clinical



Pharmaceutical



Textiles



Paper



Oil



Chemical



Food & Beverages

SPECIFICATIONS

PARAMETERS	EC	TDS
Range	0 to 200 mS	0.1 ppm to 200 ppt
Resolution	0.001% of range	--
Accuracy	1% of range	1% of range
Repeatability	0.05%	--
SENSOR INTERFACE		
Sensor	Conductivity Cell	Conductivity Cell
Receptacle	BNC	BNC

TEMP. COMPENSATION

0 to 100 °C Auto/Manual

DISPLAY

5" TFT Touch Color Graphical

PHYSICAL DIMENSIONS

Size (WxDxH) in mm	265 x 162 x 85 ⁽¹⁾
Weight (in kg)	Approx. 2 ⁽²⁾

POWER REQUIREMENT

90-260 V AC, 50-60 Hz, 1 ϕ , 20 VA Max.

ACCESSORIES SUPPLIED

With Instrument	Stand with Cell holding Clamp, Thermo Probe
At extra Cost	Dip type Conductivity cell of Cell Constants 0.1, 0.5 and 1.0

⁽¹⁾ Excluding 300 mm height Electrode stand of 0.1 kg weight.

⁽²⁾ Including Instrument and Electrode stand.

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