

**CONDUCTIVITY
METER**

CM 180

PRODUCT SPECIFICATION SHEET



Table Top



LED Display



Electrode



Facility for measurement of absolute cell constant, selection & adjustment of cell constant.

Temperature compensation from 0 to 50°C (Manual), Capacitive correction for higher ranges.

SALIENT FEATURES

- ▷ Direct reading referred to 25°C.
- ▷ Extendable to measure Total Dissolved Solids.
- ▷ 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 & Desalination, 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

Range	0 to 20, 200 μ S*
	0 to 2, 20 & 200 mS*
Readability	0.05 % of Range
Accuracy	\pm 1% of Range
Repeatability	\pm 1% of Range

DATA PRESENTATION	
Readout	3½ digit 7 segment LED of 12.7mm height .

PHYSICAL DIMENSIONS	
Size (WxDxH) in mm	295 x 165 x 140 ⁽¹⁾
Weight (in kg)	Approx. 3 ⁽²⁾

POWER REQUIREMENT	
230 V \pm 10% AC, 50 Hz, 1 ϕ , 5 VA Max.	

OPERATING FREQUENCY	1000 Hz
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TEMP. COMPENSATION	0 to 50°C Manual
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TEMP. CO-EFFICIENT	2%
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CELL CONSTANT	0.1, 0.5 or 1.0 (Selectable)
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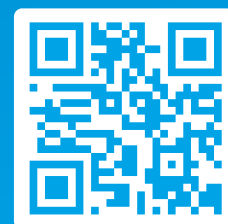
OUTPUT	20 mV Full Scale into 10 k Ω Resistive Impedance.
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ACCESSORIES SUPPLIED	
With Instrument	Cell stand with Cell holding Clip
At extra Cost	Dip type Conductivity cells of cell constants 0.1, 0.5 and 1.0

* Capacitive correction for higher ranges . S - Siemens (Mho)

⁽¹⁾ Excluding 290 mm Cell Stand

⁽²⁾ Including Instrument and Electrode stand.

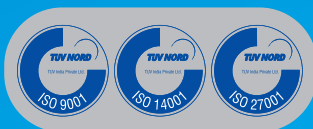


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