

CM 180

PRODUCT SPECIFICATION SHEET



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LED Display



Electrode

Conductivity Meter



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 & 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

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

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

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

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

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

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

⁽¹⁾ Excluding 290 mm Cell Stand

⁽²⁾ Including Instrument and Electrode stand.



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