Microprocessor based Conductivity/TDS Meter

CM-540



Most economical conductivity /TDS Instrument for Laboratory. Conductivity Meter CM – 540 is an ideal Lab instrument for the measurement of conductivity and TDS.

CM-540 presents 6 selectable ranges and provides the highest resolution and precision for your measuring requirements.

Features

- Measures conductivity or TDS and Temperature
- Direct read out in conductivity or TDS
- Wide Range conductivity / TDS measurement
- Selectable temperature reference
- Temperature Uncompensated measurement –USP requirement
- Dual display – LED & Back lit dot matrix LCD
- Push button calibration – No screws to turn
- Printer Connectivity
- Easy to use plain text dialogue operation
- Print reports of measurement data
- Corrosion free Fiber Enclosure
- Documentation supports to GMP

Applications

- Pharmaceutical industries
- Food industries
- Chemical industries
- Chemistry Labs
- Ecology Studies
- Sewage Treatment
- Food Processing

Specifications

Technical			
Model No	CM-540		
Input Type	Conductivity/ TDS, Temperature		
Conductivity / TDS	Measuring Range	Resolution	Accuracy
	0.0 – 1.999 µS/ppm	0.01µS/ppm	±1% of reading
	2.000 – 19.99 µS/ppm	0.1 µS/ppm	
	20.00 – 199.9 µS/ppm	1.00 µS/ppm	
	0.200 – 1.999 ms/ppt	0.01 mS/ppm	
	2.000 – 19.99 mS/ppt	0.10 mS/ppt	
	20.00 – 199.9 mS/ppt	1.00 mS/ppt	
Temperature	0 to 100°C	0.1°C	±0.2°C
Display	0.5" 4 digit seven segment LED Display		
	8 character X 2 line Alphanumeric Backlit LCD		
Keypad	Soft Tactile Membrane keypad		
Calibration	Single Point		
Output	RS 232 for printer (Optional for EPSON LX-300+)		
Temperature Compensation	0°C to 100°C(Auto/Manual)		
Temperature coefficient	Selectable 1,2,3,4,5%		
Connectors	Conductivity: BNC female		
	Temperature: 2 pin banana female		
Physical			
Material	Fiber Reinforced Plastic (FRP)		
Weight	2.0 Kg		
Accessories			
Conductivity Cell Stand	Included		
Conductivity cell (1.0)	Included		
Temperature Sensor	RTD Pt100 Class A Glass Sensor (Included)		
Calibration Solution	Not Included		
Printer (EPSON LX-300+)	Not Included		
Environmental			
Operating Temperature	10 to 50 °C		
Humidity	10-95%RH, Non-Condensing		

Ordering Information for Microprocessor based Conductivity / TDS Meter (CM-540)

Model No.	*Printer Option*	*Future Use*
CM540*	Y – Yes* *	
	N – No	

Ordering Information for Conductivity Cell (CC520)

Model No.	*Cell Constant*	*Future Use*
CC520	1 – 0.1	
	2 – 1.0	

Note: * Includes CC520-2
**Order PRI232-01

Ordering Information for Printer (PRI-232)

Model No.	*Printer Option*	*Future Use*
PRI-232	1 – EPSON LX300 *	

Note: * Order RS-232P

Ordering Information for Printer Cable (RS232P)

Model No.	*Printer Option*	*Future Use*
RS232P	1 – 9 Pin to 25 Pin Computer cable	

Head Office: POLMON INSTRUMENTS PVT.LTD
(AN ISO 9001: 2015 Certified Company)
"POLMON HOUSE" Nizampet Road, Kukatpally, Hyderabad–500085
Ph No: 040-23053046, 23057308
e-mail: polmon@polmon.com URL: www.polmon.com

All specifications are subject to change without notice.
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