

Benchtop Conductivity Meter LD-LBCM-A15

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Benchtop Conductivity Meter LD-LBCM-A15

Overview

Benchtop Conductivity Meter LD-LBCM-A15 with 1 to 3 points push button conductivity calibration, automatically recognizes calibration standards. With setup menu, it does setting of 6 parameters calibration points, temperature units and others. 7 inch TFT display shows settings and measurement values. Temperature compensation by manual & automatic method improves the accuracy of conductivity meter.

Features:

- **Common Features**
- Stability indicator displays the status of current measurement
- Measures Conductivity, TDS, Salinity, Resistivity and Temperature of the liquids
- Automatic temperature compensation for accurate values over the entire range
- Selectable temperature units (°C or °F) for different application requirements
- Reset function automatically resumes all the setting back to factory default options
- Manual and automatic mode of temperature calibration
- Auto hold feature to lock, record and read stable measurement endpoint
- Password protection to avoid unauthorized access to settings
- Expanded memory stores and recalls up to 1000 readings
- **Conductivity / TDS / Salinity / Resistivity Mode**
- 1 to 3 Conductivity push button calibration points
- 1 Temperature calibration point
- Can select cell constant (0.1/1/10) and normalization temperature (20°C or 25°C)
- TDS conversion factor, seawater, practical salinity measurements mode to meet different water quality measurement requirements
- Linear or pure water compensation improves the measurement accuracy

Applications:

Used for quality checking of water on different parameters across research, QC labs, water management plants and others production units.

Specifications:

Memory	Stores Up to 1000 data sets						
Output	USB interface						
Weight	1.7 kg						
Display	LCD						
TDS Mode	<table><tr><td>TDS measurement Range</td><td>0 to 10.00, 100.0, 1000 mg/L, 10.00, 200.0 g/L</td></tr><tr><td>TDS Accuracy</td><td>± 1 % F.S.</td></tr><tr><td>TDS Factor</td><td>0.01 to 1.00</td></tr></table>	TDS measurement Range	0 to 10.00, 100.0, 1000 mg/L, 10.00, 200.0 g/L	TDS Accuracy	± 1 % F.S.	TDS Factor	0.01 to 1.00
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	(default 0.5)</td></tr><tr><td>TDS Resolution</td><td>0.01 / 0.1 / 1 or automatic</td></tr></table>
Connector	6-pin mini plug
Power supply	DC 12V, Power Adapter
Salinity Mode	<table><tr><td>Salinity Range</td><td>0.00 to 80.00 ppt / 0.00 to 42.00 psu / 0.00 to 8.00%</td></tr><tr><td>Salinity Resolution</td><td>0.01</td></tr><tr><td>Salinity Accuracy</td><td>± 1 % F.S.</td></tr></table>
Reset Function	Yes
Resistivity Mode	<table><tr><td>Resistivity Range</td><td>0.00 to 30.00 M?</td></tr><tr><td>Resistivity Resolution</td><td>0.01 / 0.1 / 1 or automatic</td></tr><tr><td>Resistivity Accuracy</td><td>± 1 % F.S.</td></tr></table>
Temperature Mode	<table><tr><td>Temperature range</td><td>0 to 105°C, 32 to 221°F</td></tr><tr><td>Temperature accuracy</td><td>± 0.5 °C</td></tr><tr><td>Temperature resolution</td><td>± 1 °C</td></tr><tr><td>Temperature calibration points</td><td>1 point</td></tr><tr><td>Temperature coefficient</td><td>0.0 to 10.0 % per °C</td></tr><tr><td>Temperature Compensation Range</td><td>0 to 100°C / 32 to 212°F</td></tr></table>
Conductivity Mode	<table><tr><td>Conductivity Range</td><td>0.01 to 20.00, 200.0, 2000 µS/cm, 20.00, 200.0 mS/cm</td></tr><tr><td>Conductivity Accuracy</td><td>±0.5 % F.S.</td></tr><tr><td>Conductivity Resolution</td><td>0.001/0.01/0.1/1, automatic</td></tr><tr><td>Conductivity Calibration Points</td><td>1 to 3 Points</td></tr><tr><td>Conductivity Solutions</td><td>10, 84, 1413 µS/cm, 12.88,

	111.8 mS/ cm</td></tr><tr><td>Conductivity Temperature coefficient</td><td>0.0 to 10.0 %/°C</td></tr><tr><td>Compensation coefficient</td><td>Linear / Non-Liner / Pure Water</td></tr><tr><td>Cell Constant</td><td>2-Pole Electrode K=0.1, 1, 10 or 4-Pole Electrode</td></tr><tr><td>Reference temperature</td><td>20 or 25°C</td></tr></table>
Data Hold Function	Manual or Automatic Endpoint Detection
Stability Criteria	Standard or High
Calibration Due Alarm	1 to 31 Days
Dimension (L x W x H)	240 x 220 x 80 mm