Portable Conductivity Meter
LPCM-A1 Series

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Portable Conductivity Meter LPCM-A1 series are adapted with different modes for measuring quality of water on parameters such as conductivity, TDS, salinity, resistivity and temperature.

Portable Conductivity Meter LPCM-A10

Portable Conductivity Meter LPCM-A10 is adapted for measuring quality of water on parameter such as conductivity and TDS. Due to its portable design, it is suitable for outdoor measurements i.e. on site water testing, remote area water testing and for research purpose. It is reliable and user friendly.

Portable Conductivity Meter LPCM-A11

Portable Conductivity Meter LPCM-A11 is adapted with different modes for measuring quality of water on parameters such as conductivity, TDS and temperature. Due to its portable design, it is suitable for outdoor measurements i.e. on site water testing, remote area water testing and for research purpose. It is reliable and user friendly.

Portable Conductivity Meter LPCM-A12

Portable Conductivity Meter LPCM-A12 is adapted with different modes for measuring quality of water on parameters such as conductivity, salinity and temperature. Due to its portable design, it is suitable for outdoor measurements i.e. on site water testing, remote area water testing and for research purpose. It is reliable and user friendly.

Portable Conductivity Meter LPCM-A13

Portable Conductivity Meter LPCM-A13 is adapted with different modes for measuring quality of water on parameters such as conductivity, total dissolved solids, salinity, resistivity and temperature. Due to its portable design, it is suitable for outdoor measurements i.e. on site water testing, remote area water testing and for research purpose. It is reliable and user friendly.

Features

Common features

- Calibration due reminder informs operator to calibrate the meter regularly
- Stability indicator displays the status of current measurement
- Auto hold function freezes stable, final readings for better viewing and recording
- 1 to 5 points push button calibration to automatically identify calibration solutions
- Selectable temperature units (°C or °F) for different application requirements
- Expanded memory stores and recalls up to 500 readings
- Calibration report provides details of calibration standard and cell constant
- Help message as an operational guide, helps users for quick access to the parameters
- Reset function automatically resumes all settings back to factory default options
- Store data is transferrable into computer via USB communication interface

Conductivity / TDS/Salinity/ Temperature

- Conductivity: 1 to 3 point (LPCM-A10) and 1 to 5 point (LPCM-A11, LPCM-A12, LPCM-A13) calibration with automatically identification of calibration solutions
- Temperature: Can select cell constant (0.1/1/10) and normalization temperature 25°C (LPCM-A10) and 20°C or 25°C (LPCM-A11, LPCM-A12, LPCM-A13)
- TDS and Salinity: TDS conversion factor (LPCM-A11 & LPCM-A13), seawater, practical s alinity measurements mode (LPCM-A12, LPCM-A13) to meet different water quality measurement requirements
- Linear (LPCM-A10), linear and pure water (LPCM-A11, LPCM-A12, LPCM-A13) compensation improves the measurement accuracy

Application

Used for quality testing of water on different parameters in research and development labs, water resources and plants in nearby or remote area.

Specification

Model no.	LPCM-A10	LPCM-A11	LPCM-A12	LPCM-A13
Conductivity measurement range	0.01 to 20.00, 200.0, 2000 µS/cm, 20.00, 200 mS/cm			
Conductivity accuracy	±0.5% F.S			
Conductivity calibration points	1 to 3 points	1 to 5 points		
Conductivity calibration solutions	10 µS/cm, 84 µS/cm, 1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm or Custom			
Conductivity resolution	0.001, 0.01, 0.1, 1			
TDS range	-	0 10.00, 100.0, 1000ppm, 10.00, 100 ppt (Max. 200ppt)	-	0 10.00, 100.0, 1000 ppm, 10.00, 100 ppt (Max. 200 ppt)
TDS accuracy	-	±1 % F.S	-	±1 % F.S
TDS factor	-	0.01 to 1.00 (Default 0.5)	-	0.01 to 1.00 (Default 0.5)
TDS resolution	-	0.01, 0.1, 1	-	0.01, 0.1, 1
Salinity range	-	-	0.00 to 80.00 ppt, 0.00 to 42.00 psu	
Salinity accuracy	-	-	±1% F.S	
Salinity Measurement modes	-	-	Practical Salinity (psu) or Natural Seawater (ppt)	
Salinity Resolution	-	-	0.01, 0.1, 1	
Resistivity range	-	-	-	0.00 to 20 MΩ
Resistivity accuracy	-	-	-	±1% F.S
Resistivity resolution	-	-	-	0.01, 0.1, 1
Temperature measuring range	0 105 °C, 32 to 221 °F			

Temperature measuring accuracy	± °0.5 C, ± 0.9 °F	
Temperature calibration points	1 point	
Temperature resolution	0.1 °C, 0.1 °F	
Temperature compensation	0 to 100 °C, 32 to 212 ° F, Manual or Automatic	
Temperature coefficient	Linear	Linear and Pure water compensation
Reference temperature	25 °C	20 °C or 25 °C
Stability conditions	Low or high	
Cell constant	K= 0.1, 1, 10 or custom	
Calibration due	1 to 31 days or off	
Memory	100 data sets	500 data sets
Data hold	Manual or auto-end point	
Connector	6 pin mini plug	
Power control	1Manual or Automatic (10, 20 or 30 minutes after last key pressed)	
Dimension (L × W × H)	170 × 85 × 30 mm	
Weight	300 g	
Power	3 × 1.5 V AA batteries or DC 5 V power adapter	

Standard accessories

Number of accessories	Accessories name
1	Conductivity electrode (range: 10 µS/cm to 10 mS/cm)
2	Temperature probe
3	Standard calibration solutions (84 µS/cm, 1413 µS/cm, 12.88 mS/cm)
4	Carrying case

Optional accessories

Number of accessories	Accessories name
1.	Conductivity electrode for general application
2.	Conductivity electrode (K= 0.1): Suitable for measuring the low conductivity liquids (<10 µS/cm) for pure water
3.	Conductivity electrode (K= 10): Suitable for measuring the high conductivity liquids (>20 mS/cm) for sea water