

labodam

# Benchtop Conductivity Meter

LBCM-A14



## Benchtop Conductivity Meter LBCM-A14

Benchtop Conductivity Meter LBCM-A14 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. Large LCD display shows settings and measurement values. Temperature calibration by manual method improves the accuracy of conductivity meter.

### Features

- ✓ Measures conductivity, TDS, 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
- ✓ Stability indicator displays the status of current measurement
- ✓ Help message as an operational guide, with quick access to test parameters

### Conductivity/TDS Mode

- ✓ 1 to 3 Conductivity push button calibration points
- ✓ 3 TDS calibration points
- ✓ 1 Temperature calibration point

### Applications

Used to test Conductivity, TDS values of different type of liquid such as pure, hard/low conductivity water, distilled water. Also used in water purification labs, water testing and management plants, and water processing and packaging units for quality and research purpose.

## Specification

Model no.	LBCM-A14
<b>Conductivity Mode</b>	
Conductivity measurement range	0.01-20.0, 200.0, 2000 $\mu$ S/cm, 20.00, 200.0 mS/cm
Conductivity accuracy	$\pm 1\%$ F.S.
Conductivity resolution	0.001, 0.01, 0.1, 1
Conductivity calibration points	1 to 3 points
Conductivity calibration solutions	10 $\mu$ S/cm , 84 $\mu$ S/cm, 1413 $\mu$ S/cm, 12.88 mS/cm, 111.8 mS/cm
<b>TDS Mode</b>	
TDS measurement Range	0 to 10.00, 100.0, 1000 ppm, 10.00, 100 ppt (Max. 200 ppt)
TDS Accuracy	$\pm 1\%$ F.S.
TDS Factor	0.01 to 1.00 (default 0.5)
TDS Calibration points	3 points
<b>Temperature Mode</b>	
Temperature range	0 to 105°C, 32 to 221°F
Temperature accuracy	$\pm 1^\circ$ C
Temperature resolution	0.1°C, 0.1°F
Temperature calibration points	1 point
Temperature compensation Range and mode	Manual or automatic, 0 to 100°C , 32 to 212°F
Temperature coefficient	0.0 to 10.0 % per °C
Cell constant	K=0.1, 1, 10
Power requirements	DC 9 V, using AC adapter, AC 220 V, 50 Hz
Dimension (L×W×H)	210 × 205 × 75 mm
Weight	1.5 kg

## Standard Accessories

Accessories no.	Name
1	Conductivity Electrode (range 0.01 to 20 mS/ cm)
2	Temperature Probe
3	Conductivity Calibration Standard Solutions
4	Electrode Holder
5	Power Adapter

## Optional Accessories

Accessories no.	Name
1	Conductivity Electrode (K=0.1) suitable for measuring the low conductivity liquids (<10 $\mu$ S/ cm) e.g. Pure water
2	Conductivity Electrode (K=10) suitable for measuring the high conductivity liquids (>20mS/ cm) e.g. Sea water