



# L20 Lab Conductivity Meter



**ELECTRO-CHEMICAL DEVICES**

## L20 Laboratory Conductivity, TDS & Temperature Meter

- Large LCD Display with Backlight
- Displays Conductivity or TDS and Temperature
- 2 wire Conductivity Electrodes with TC
- Calibration stored in nonvolatile memory
- Accepts 4 Cell Constants for improved accuracy



### Description

The L20 Laboratory Conductivity, TDS and Temperature meter is a microprocessor based precision instrument. The meter has a large LCD that displays the Conductivity or TDS (mg/L) and Temperature along with user prompts and measurement mode indicators. The IP54 waterproof case uses highly reliable keys that provide both tactile and audio feedback. The L20 is AC line powered with a universal AC adapter, 9VDC output, or it can be battery powered (six 1.5 volt AAA batteries).

A few key strokes will adjust all of the parameters for the probe including the cell constant 0.01, 0.1, 1.0, 10.0 or the specic K value of a conductivity cell. The Mode Key toggles the display between the Conductivity and TDS screens. Additional features include auto-ranging conductivity scales and automatic temperature compensation.

Meter and Electrodes sold separately.

Part #	Description
1100520-2	L20 Conductivity meter with AC adapter
2008230	Conductivity probe, K=0.1, 0-200µS/cm
2008231	Conductivity probe, K=1.0, 0-200µS/cm
2008232	Conductivity probe, K=10, 0-200µS/cm
1000540	Conductivity probe Holder/Arm

### Specifications

Reference Temperature	15.0° to 25.0°C
Temperature Coefficient	0.0% to 4.0%
Cell Constant	0.01, 0.10, 1.00, 10.0
TDS Constant	0.30 to 1.00
Power	6 AAA batteries (9VDC)
Display	3½ in x 2¼ in, LCD
Ambient Temperature Range	0° to 50°C
Relative Humidity	Up to 90%
Case	IP54
Dimensions	150mm x 203mm x 72
Weight(with Batteries)	504 gm (1.1 lb)

Display	Range	Resolution	Accuracy
Conductivity K=0.01	0.000 to 1.999 µS/cm	0.001 µS/cm	±0.5% FS
	2.00 to 19.99 µS/cm	0.01 µS/cm	±0.5% FS
Conductivity K=0.10	0.00 to 19.99 µS/cm	0.01 µS/cm	±0.5% FS
	2.0 to 199.9 µS/cm	0.1 µS/cm	±0.5% FS
	2.00 to 19.99 mS/cm	0.01 mS/cm	±0.5% FS
Conductivity K=1.00	0.0 to 199.9 µS/cm	0.1 µS/cm	±0.5% FS
	200 to 1999 µS/cm	1 µS/cm	±0.5% FS
	2.00 to 19.99 mS/cm	0.01 mS/cm	±0.5% FS
Conductivity K=10.0	0 to 1999 µS/cm	1 µS/cm	±0.5% FS
	2.00 to 19.99 mS/cm	0.01 mS/cm	±0.5% FS
	20.0 to 199.9 mS/cm	0.1 mS/cm	±0.5% FS
Temperature	0.0 to 100°C	0.1°C	±0.2°C



**ELECTRO-CHEMICAL DEVICES**

## L20 Laboratory pH/ORP & Temperature Meter

- Large LCD Display with Backlight
- Displays pH or mV and Temperature
- Resolution of 0.1 mV in ORP or Ion Mode
- Automatic or Manual Temp. Compensation
- Automatic Buffer Recognition
- Calibration stored in nonvolatile memory



### Description

The L20 Laboratory pH/ORP and Temperature meter is a microprocessor based precision instrument. The meter has a large LCD that displays the pH or millivolts and Temperature along with user prompts and measurement mode indicators.

The L20 features Automatic Temperature Compensation and Automatic pH buffer recognition for both US and NIST primary standard buffers. Calibrations can be single, dual or three point calibrations. The AUTOLOCK function in both the pH and mV modes senses the end point of a calibration or measurement and locks the reading once the sensor has stabilized. Electrode offset and slope are monitored and the pH electrode efficiency is displayed.

The IP54 waterproof case uses highly reliable keys that provide both tactile and audio feedback. The L20 is AC line powered with a universal AC adapter, 9VDC output, or it can be battery powered (six 1.5 volt AAA batteries).

Meter and Electrodes sold separately.

Part #	Description
1100520-1	L20 pH/mV meter with AC adapter
2008220	pH/Temp electrode
2008240	ORP electrode
2000675	Temperature Electrode with 8 pin DIN
1000540	Electrode Holder/Arm

### Specifications

Display	Range	Resolution	Accuracy
pH	0.00 to 14.00 pH	0.01 pH	± 0.01 pH
mV	-1999.9 to 1999.9mV	0.1 mV	± 0.05% FS
Temp.	0.0 to 100.0°C	0.1°C	± 0.2°C

pH Buffer Recognition	(US) 7.00, 4.01, 10.01 (NIST) 6.86, 4.01, 9.18
pH Temp. Compensation	0.0° to 100°C
pH Buffer Temp. Range	0.0° to 60°C
pH Offset Recognition	± 1.5 pH
pH Slope Recognition	± 30% of theoretical
Autolock sensing & Hold	Yes
Audio Feedback	All Keys
Calibration Back up	EEPROM
Input Impedance	> 10 <sup>12</sup> Ω
Temperature Sensor	Thermistor 10KΩ @ 25°C
Display	3½ in x 2¼ in, LCD
Case	IP54 waterproof
Ambient Temperature	0° to 50°C
Relative Humidity	Up to 90%
Dimensions (W x D x H)	150mmx203mmx72mm
Weight (Batteries Included)	504 gm (1.1 lb.)