BioLAB

PRODUCT CATALOG

CONDUCTIVITY METER BMET-307

CE ISO9001 CERTIFIED

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CONDUCTIVITY METER BMET-307

Conductivity meter is an instrument that measures the amount of electric conductivity or current in a solution. The conductance can be measured by applying an alternating electrical current to the two electrodes present in the solution, after which the cations move to the negative electrode and the anions move to the positive electrode. This movement ultimately leads the solution to be conductive.

BMET-307 CONDUCTIVITY METER

SPECIFICATIONS

Model	BMET-307
Conductivity	
Range	0.000 µS/cm to 3000 mS/cm
Resolution	1.001 µS/cm minimum; changed with range
Accuracy	± 0.5 % FS
Reference Temperature	5, 10, 15, 18, 20, 25 °C
Calibration Points	Up to 5
Calibration Reminder	Yes
Standard Recognition	10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm; 12.88mS/cm
Resistivity	
Range	5.00 Ωcm ~100.00 Mωcm
Resolution	0.01 Ωcm minimum
Accuracy	± 0.5 % FS
TDS	
Range	0.000 mg/L ~1000 g/L
Resolution	0.001mg/L minimum; changed with range
Accuracy	± 0.5 %
Salinity	
Range	(0.00 ~8.00) %
Resolution	0.01 %
Accuracy	±0.1%
Temperature	
Range	- 10 to 135 °C, 14 to 275 °F
Unit	°C, °F
Resolution	0.1

Relative Accuracy	± 0.2
Measurement	
Reading Mode	AutoRead(Fast, Medium,Slow), Timed, Continuous
Reading Prompts	Reading, Stable, Locked
Data Management	
Data Storage	1000 Groups
GLP Features	Yes
Inputs	
Temp. /EC Probe	5-pin aviation connector
Outputs	
USB	USB 2.0 flash memory device, PC,scanner
Bluetooth	printer
Display Options	
Backlight	Yes
Auto Shut-down	300, 600, 1200, 1800, 3600sec, off
IP Rating	IP65
Date and Time	Yes
General	
Power	Rechargeable Lithium batter; AC Adapter,100-240 V AC input, DC5V output
Dimensions	90x255x40 mm
Weight	500 g(1.1 lb)

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