

CONDUCTIVITY METER MET31-003



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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.

MET31-003 CONDUCTIVITY METER



SPECIFICATIONS

Model	MET31-003
Conductivity	
Range	0.000 $\mu\text{S}/\text{cm}$ to 1000 mS/cm
Resolution	0.001 $\mu\text{S}/\text{cm}$ minimum; changed with range
Accuracy	$\pm 1.0\%$ FS
Reference Temperature	20, 25 $^{\circ}\text{C}$
Standard Recognition	85 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$; 12.88 mS/cm
Resistivity	
Range	5.00 Ωcm ~100.00 $\text{M}\Omega\text{cm}$
Resolution	0.01 Ωcm minimum
Accuracy	$\pm 0.5\%$ FS
TDS	
Range	0.00 mg/L ~1000 g/L
Resolution	0.001 mg/L minimum; changed with range
Accuracy	$\pm 0.5\%$ FS
Salinity	
Range	(0.00 ~8.00)%
Resolution	0.01 %
Accuracy	$\pm 0.1\%$
Temperature	
Range	-10 to 135 $^{\circ}\text{C}$, 14 to 275 $^{\circ}\text{F}$
Unit	$^{\circ}\text{C}$, $^{\circ}\text{F}$
Resolution	0.1
Accuracy	± 0.1

Measurement	
Reading Mode	AutoRead(Fast, Medium,Slow), Timed, Continuous
Reading Prompts	Reading, Stable, Locked
Temp. Compensation	ATC, MTC
Data Management	
Data Storage	500 results each
GLP Features	Yes
Inputs	
Temp. /EC Probe	5-pin aviation connector
Outputs	
USB	PC
RS 232	printer
Display Options	
Backlight	Yes
Auto Shut-down	1~60 min, off
IP Rating	IP54
Date and Time	Yes
General	
Power	AC Adapter,100-240 V AC input, DC9 V output
Dimensions	242x195x68 mm
Weight	900 g(1.98 lb)

LABSTAC

Labstac LLC

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA

Email: contact@labstac.com | Website: labstac.com