

# CONDUCTIVITY METER MET31-005



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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.

## MET31-005 CONDUCTIVITY METER



### SPECIFICATIONS

Model	MET31-005
Conductivity	
Range	0.000 $\mu\text{S/cm}$ to 3000 mS/cm
Resolution	0.001 $\mu\text{S/cm}$ minimum; changed with range
Accuracy	$\pm 0.5\%$ FS
Reference Temperature	5, 10, 15, 18, 20, 25 $^{\circ}\text{C}$
Calibration Points	Up to 5
Standard Recognition	146.5 $\mu\text{S/cm}$ , 1408 $\mu\text{S/cm}$ , 12.85 mS/cm, 111.3 mS/cm
Resistivity	
Range	5.00 $\Omega\text{cm}$ ~100.00 M $\Omega\text{cm}$
Resolution	0.01 $\Omega\text{cm}$ minimum;
Accuracy	$\pm 0.5\%$ FS
TDS	
Range	0.000 mg/L ~1000 g/L
Resolution	0.001ppm minimum; changed with range
Accuracy	$\pm 0.5\%$
Salinity	
Type	NaCl %
Range	(0.00 ~8.00) %
Resolution	0.01 %
Accuracy	$\pm 0.1\%$
Temperature	
Range	- 5 to 130 $^{\circ}\text{C}$
Unit	$^{\circ}\text{C}$

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	1000 Groups
GLP Features	Yes
Log Management	Yes
Inputs	
Temp./DO Probe	6-pin MiniDIN
Temp. /EC Probe	8-pin MiniDIN
Outputs	
USB,RS 232	USB 2.0 flash memory device, printer, PC
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, DC24V output
Dimensions	280x280x130 mm
Weight	2500 g (5.51 lb)



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