

CONDUCTIVITY METER



CONDUCTIVITY METER

Used in Research and Engineering, Aquaculture, Freshwater systems.

Also known as Conductivity Meter.

MET31-100 CONDUCTIVITY METER



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SPECIFICATIONS

Model	MET31-100
Conductivity	
Range	0.00 μ S/cm to 100 mS/cm
Resolution	0.01 μ S/cm minimum; changed with range
Accuracy	\pm 1.5 % FS
Reference Temperature	25 $^{\circ}$ C
Measurement	
Reading Mode	Continuous
Reading Prompts	Reading, Stable
Temp. Compensation	MTC
Inputs	
pH Electrode	BNC(Q9)
Conductivity Probe	5-pin aviation connector
Display Options	
Backlight	Yes
Auto Shutdown	300, 600, 1200, 1800,3600 sec., off
IP Rating	IP54
General	
Power	AC Adapter, 100-240 V AC input, DC9 V output
Dimensions	200 \times 160 \times 63 mm
Weight	600 g (1.32 lb)

MET31-200 CONDUCTIVITY METER



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SPECIFICATIONS

Model	MET31-200
Conductivity	
Range	0.00 μ S/cm to 200 mS/cm
Resolution	1.01 μ S/cm minimum; changed with range
Accuracy	\pm 1.0 % FS
Reference Temperature	25 $^{\circ}$ C
Standard Recognition	84 μ S/cm, 1413 μ S/cm; 12.88 mS/cm
TDS	
Range	0.00 mg/L \sim 100 g/L
Resolution	0.01mg/L minimum; changed with range
Accuracy	\pm 1.0% FS
Temperature	
Range	- 5 to 110 $^{\circ}$ C, 23 to 230 $^{\circ}$ F
Unit	$^{\circ}$ C,
Resolution	0.1
Accuracy	\pm 0.2
Measurement	
Reading Mode	AutoRead, Continuous
Reading Prompts	Reading, Stable, Locked
Temp. Compensation	ATC, MTC
Data Management	
Data Storage	50 results each
Inputs	
Temp./EC. Probe	5-pin aviation connector
Display Options	
Backlight	Yes
Auto Shutdown	300, 600, 1200, 1800, 3600sec, off
IP Rating	IP54
General	
Power	AC Adapter, 100-240 V AC
Dimensions	242 x 195 x 68 mm
Weight	900 g (1.98 lb)

MET31-003 CONDUCTIVITY METER



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SPECIFICATIONS

Model	MET31-003
Conductivity	
Range	0.000 μ S/cm to 1000 mS/cm
Resolution	0.001 μ S/cm minimum; changed with range
Accuracy	\pm 1.0 % FS
Reference Temperature	20, 25 $^{\circ}$ C
Standard Recognition	85 μ S/cm, 1413 μ S/cm; 12.88 mS/cm
Resistivity	
Range	5.00 Ω -cm~100.00 M Ω -cm
Resolution	0.01 Ω -cm 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 $^{\circ}$ C, 14 to 275 $^{\circ}$ F
Unit	$^{\circ}$ C, $^{\circ}$ F
Resolution	0.1
Accuracy	\pm 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)

MET31-005 CONDUCTIVITY METER



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SPECIFICATIONS

Model	MET31-005
Conductivity	
Range	0.000 μ S/cm to 3000 mS/cm
Resolution	0.001 μ S/cm minimum; changed with range
Accuracy	\pm 0.5 % FS
Reference Temperature	5, 10, 15, 18, 20, 25 $^{\circ}$ C
Calibration Points	Up to 5
Standard Recognition	146.5 μ S/cm, 1408 μ S/cm, 12.85 mS/cm, 111.3 mS/cm
Resistivity	
Range	5.00 Ω -cm \sim 100.00 M Ω -cm
Resolution	0.01 Ω -cm minimum;
Accuracy	\pm 0.5 % FS
TDS	
Range	0.000 mg/L \sim 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	± 0.1 %
Temperature	
Range	- 5 to 130 °C
Unit	°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	280×280×130 mm
Weight	2500 g (5.51 lb)

MET31-025 CONDUCTIVITY METER



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SPECIFICATIONS

Model	MET31-025
Conductivity	
Range	0.00 $\mu\text{S}/\text{cm}$ to 100 mS/cm
Resolution	0.01 $\mu\text{S}/\text{cm}$ minimum; changed with range
Accuracy	$\pm 1.0\%$ FS
Reference Temperature	25 $^{\circ}\text{C}$
Measurement	
Reading Mode	Continuous
Reading Prompts	Reading, Stable
Temp. Compensation	MTC
Display Options	
Backlight	Yes
Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
IP Rating	IP65
General	
Power	Rechargeable Lithium batter; AC Adapter, 100-240 V AC input, DC5 V output
Dimensions	80 x 255 x 35 mm
Weight	400 g (0.88 lb)

MET31-003A CONDUCTIVITY METER



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SPECIFICATIONS

Model	MET31-003A
Conductivity	
Range	0.000 $\mu\text{S}/\text{cm}$ to 500 mS/cm
Resolution	0.001 $\mu\text{S}/\text{cm}$ minimum; changed with range
Accuracy	$\pm 1.0\%$ FS
Reference Temperature	20, 25 $^{\circ}\text{C}$
Calibration Points	Up to 3
Standard Recognition	84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$; 12.88 mS/cm
Resistivity	
Range	5.00 $\Omega\text{-cm}$ ~ 20.00 $\text{M}\Omega\text{-cm}$

Resolution	0.01 Ω -cm minimum
Accuracy	\pm 1.0 % FS
TDS	
Range	0.00 mg/L \sim 300 g/L
Resolution	0.01 mg/L minimum; changed with range
Accuracy	\pm 1.0%
Salinity	
Range	(0.00 \sim 8.00) %
Resolution	0.01 %
Accuracy	\pm 0.2 %
Temperature	
Range	-5 to 110 $^{\circ}$ C, 23 to 230 $^{\circ}$ F
Unit	$^{\circ}$ C, $^{\circ}$ F
Resolution	0.1
Relative Accuracy	\pm 0.2
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,printer
Display Options	
Backlight	Yes
Auto Shut-down	300, 600, 1200, 1800, 3600 sec, off
IP Rating	IP65
Date and Time	Yes
General	
Power	Rechargeable Lithium batter; AC Adapter, 100-240 V AC input, DC5V output
Dimensions	80x255x35 mm
Weight	400 g (0.88 lb)

MET31-005A CONDUCTIVITY METER



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SPECIFICATIONS

Model	MET31-005A
Conductivity	
Range	0.000 μ S/cm to 3000 mS/cm
Resolution	1.001 μ S/cm minimum; changed with range
Accuracy	\pm 0.5 % FS
Reference Temperature	5, 10, 15, 18, 20, 25 $^{\circ}$ C
Calibration Points	Up to 5
Calibration Reminder	Yes
Standard Recognition	10 μ S/cm, 84 μ S/cm, 500 μ S/cm, 1413 μ S/cm; 12.88mS/cm
Resistivity	
Range	5.00 Ω -cm \sim 100.00 M Ω -cm
Resolution	0.01 Ω -cm minimum
Accuracy	\pm 0.5 % FS
TDS	
Range	0.000 mg/L \sim 1000 g/L
Resolution	0.001mg/L minimum; changed with range
Accuracy	\pm 0.5 %
Salinity	
Range	(0.00 \sim 8.00) %
Resolution	0.01 %
Accuracy	\pm 0.1%
Temperature	
Range	- 10 to 135 $^{\circ}$ C, 14 to 275 $^{\circ}$ F
Unit	$^{\circ}$ C, $^{\circ}$ F
Resolution	0.1
Relative Accuracy	\pm 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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