

CONDUCTIVITY METER



CONDUCTIVITY METER

Used in Research and Engineering, Aquaculture, Freshwater systems.
Also known as Conductivity Meter.

MET31 CONDUCTIVITY METER



SPECIFICATIONS

Model	MET31-100	MET31-200	MET31-003	MET31-005
Conductivity				
Range	0.00 $\mu\text{S/cm}$ to 100 mS/cm	0.00 $\mu\text{S/cm}$ to 200 mS/cm	0.000 $\mu\text{S/cm}$ to 1000 mS/cm	0.000 $\mu\text{S/cm}$ to 3000 mS/cm
Resolution	0.01 $\mu\text{S/cm}$ minimum; changed with range	1.01 $\mu\text{S/cm}$ minimum; changed with range	0.001 $\mu\text{S/cm}$ minimum; changed with range	
Accuracy	$\pm 1.5\%$ FS	$\pm 1.0\%$ FS		$\pm 0.5\%$ FS
Reference Temperature	25 $^{\circ}\text{C}$		20, 25 $^{\circ}\text{C}$	5, 10, 15, 18, 20, 25 $^{\circ}\text{C}$
Standard Recognition	-	84 $\mu\text{S/cm}$, 1413 $\mu\text{S/cm}$; 12.88 mS/cm	85 $\mu\text{S/cm}$, 1413 $\mu\text{S/cm}$; 12.88 mS/cm	146.5 $\mu\text{S/cm}$, 1408 $\mu\text{S/cm}$, 12.85 mS/cm, 111.3 mS/cm
Calibration Points	-	-	-	Up to 5
Calibration Reminder	-	-	-	-
Measurement				
Reading Mode	Continuous	AutoRead, Continuous	AutoRead(Fast, Medium,Slow), Timed, Continuous	
Reading Prompts	Reading, Stable	Reading, Stable, Locked		
Temp. Compensation	MTC	ATC, MTC		
Inputs				
pH Electrode	BNC(Q9)	-	-	-
Conductivity Probe	5-pin aviation connector	-	-	-
Temp./EC. Probe	-	5-pin aviation connector	-	-
Temp. /EC Probe	-	-	5-pin aviation connector	8-pin MiniDIN
Temp./DO Probe	-	-	-	6-pin MiniDIN
Display Options				
Backlight	Yes			

Auto Shutdown	300, 600, 1200, 1800,3600 sec., off	300, 600, 1200, 1800, 3600sec, off	-	-
IP Rating	IP54			
Auto Shut-down	-	-	1~60 min, off	
Date and Time	-	-	Yes	
General				
Power	AC Adapter, 100-240 V AC input, DC9 V output	AC Adapter,100-240 V AC	AC Adapter,100-240 V AC input, DC9 V output	AC Adapter, 100-240 V AC input, DC24V output
Dimensions	200x160x63 mm	242 x 195 x 68 mm	242x195x68 mm	280x280x130 mm
Weight	600 g (1.32 lb)	900 g(1.98 lb)		2500 g (5.51 lb)
TDS				
Range	-	0.00 mg/L ~100 g/L	0.00 mg/L~1000 g/L	0.000 mg/L ~1000 g/L
Resolution	-	0.01mg/L minimum; changed with range	0.001 mg/L minimum; changed with range	0.001ppm minimum; changed with range
Accuracy	-	± 1.0% FS	± 0.5 % FS	±0.5%
Temperature				
Range	-	- 5 to 110 °C, 23 to 230 °F	-10 to 135 °C, 14 to 275 °F	- 5 to 130 °C
Unit	-	°C,	°C, °F	°C
Resolution	-	0.1		
Accuracy	-	±0.2	± 0.1	
Relative Accuracy	-	-	-	-
Data Management				
Data Storage	-	50 results each	500 results each	1000 Groups
GLP Features	-	-	Yes	
Log Management	-	-	-	Yes
Resistivity				
Range	-	-	5.00Ωcm~100.00 MΩcm	5.00 Ωcm ~100.00 MΩcm
Resolution	-	-	0.01Ωcm minimum	0.01 Ωcm minimum;
Accuracy	-	-	± 0.5 % FS	
Salinity				
Range	-	-	(0.00 ~8.00)%	(0.00 ~8.00) %
Resolution	-	-	0.01 %	
Accuracy	-	-	± 0.1 %	
Type	-	-	-	NaCl %
Outputs				
USB	-	-	PC	-
RS 232	-	-	printer	-
USB,RS 232	-	-	-	USB 2.0 flash memory device, printer, PC
Bluetooth	-	-	-	-

Model	MET31-025	MET31-003A	MET31-005A
Conductivity			
Range	0.00 μS/cm to 100 mS/cm	0.000 μS/cm to 500 mS/cm	0.000 μS/cm to 3000 mS/cm
Resolution	0.01 μS/cm minimum; changed with range	0.001 μS/cm minimum; changed with range	1.001 μS/cm minimum; changed with range
Accuracy	± 1.0 % FS		± 0.5 % FS

Reference Temperature	25 °C	20, 25 °C	5, 10, 15, 18, 20, 25 °C
Standard Recognition	-	84 µS/cm, 1413 µS/cm; 12.88 mS/cm	10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm; 12.88mS/cm
Calibration Points	-	Up to 3	Up to 5
Calibration Reminder	-	-	Yes
Measurement			
Reading Mode	Continuous	AutoRead(Fast, Medium,Slow), Timed, Continuous	
Reading Prompts	Reading, Stable	Reading, Stable, Locked	
Temp. Compensation	MTC	ATC, MTC	-
Inputs			
pH Electrode	-	-	-
Conductivity Probe	-	-	-
Temp./EC. Probe	-	-	-
Temp. /EC Probe	-	5-pin aviation connector	
Temp./DO Probe	-	-	-
Display Options			
Backlight	Yes		
Auto Shutdown	300, 600, 1200, 1800,3600 sec., off	-	-
IP Rating	IP65		
Auto Shut-down	-	300, 600, 1200, 1800, 3600 sec, off	300, 600, 1200, 1800, 3600sec, off
Date and Time	-	Yes	
General			
Power	Rechargeable Lithium batter; AC Adapter,100-240 V AC input, DC5 V output	Rechargeable Lithium batter; AC Adapter,100-240 V AC input, DC5V output	
Dimensions	80 x 255 x 35 mm	80x255x35 mm	90x255x40 mm
Weight	400 g(0.88 lb)		500 g(1.1 lb)
TDS			
Range	-	0.00 mg/L ~300 g/L	0.000 mg/L ~1000 g/L
Resolution	-	0.01 mg/L minimum; changed with range	0.001mg/L minimum; changed with range
Accuracy	-	±1.0%	± 0.5 %
Temperature			
Range	-	-5 to 110 °C, 23 to 230 °F	- 10 to 135 °C, 14 to 275 °F
Unit	-	°C, °F	
Resolution	-	0.1	
Accuracy	-	-	-
Relative Accuracy	-	±0.2	± 0.2
Data Management			
Data Storage	-	500 results each	1000 Groups
GLP Features	-	Yes	
Log Management	-	-	-
Resistivity			
Range	-	5.00Ωcm ~20.00MΩcm	5.00 Ωcm ~100.00 Mωcm
Resolution	-	0.01 Ωcm minimum	
Accuracy	-	± 1.0 % FS	± 0.5 % FS
Salinity			
Range	-	(0.00 ~8.00) %	

Resolution	-	0.01 %	
Accuracy	-	± 0.2 %	±0.1%
Type	-	-	-
Outputs			
USB	-	PC,printer	USB 2.0 flash memory device, PC,scanner
RS 232	-	-	-
USB,RS 232	-	-	-
Bluetooth	-	-	printer



MET31-100



MET31-200



MET31-003



MET31-005



MET31-025



MET31-003A



MET31-005A

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