



CONDUCTIVITY METER

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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.

300 CONDUCTIVITY METER



SPECIFICATIONS

Model	BMET-301	BMET-302	BMET-303	BMET-304
Conductivity				
Range	0.00 μS/cm to 100 mS/cm	0.00 μS/cm to 200 mS/cm	0.000 μS/cm to 1000 mS/cm	0.000 μS/cm to 3000 mS/cm
Resolution	0.01 μS/cm minimum; changed with range	1.01 μS/cm minimum; changed with range	0.001 μS/cm minimum; changed with range	
Accuracy	± 1.5 % FS	± 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	85 μS/cm, 1413 μS/cm; 12.88 mS/cm	146.5 μS/cm, 1408 μS/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	BMET-305	BMET-306	BMET-307
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



BMET-301



BMET-302



BMET-303



BMET-304



BMET-305



BMET-306



BMET-307



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