PH METER

PH METER

The pH scale typically ranges from 0 to 14. According to the Nernst equation pH values are affected by temperature, hence the temperature compensation is a vital function of any pH Meter to ensure accurate pH measurement.

200 PH METER

SPECIFICATIONS

Model	BMET-201	BMET-202	BMET-203
pH			
Range	-2.00 to 14.00 pH	-2.00 to 20.00 pH	-2.000 to 20.000 pH
Resolution	0.01 pH	0.1, 0.01 pH	0.1, 0.01, 0.001pH
Accuracy	± 0.01 pH		± 0.002 pH
Calibration Points	Up to 2	Up to 5	Up to 6
Standard Recognition	NIST buffers	NIST, GB and DIN buffers	NIST, GB, DIN buffers
Standard Customization	-	Yes	-
Calibration Reminder	-	-	Yes
Slope Limit	-	-	Yes
mV			
Range	-1800 to 1800 mV	-2000.0 to 2000.0 mV	-
Resolution	1 mV	0.1 mV	-
Accuracy	± 0.1 %FS	± 0.3 mV or ± 0.1 % of reading	-
Conductivity			
Range	/	-	-
Resolution	/	-	-
Accuracy	/	-	-
Reference Temperature	/	-	-
Measurement			
Reading Mode	Continuous	AutoRead (Fast, Medium,Slow), Timed, Continuous	Auto Read(Fast, Medium, Slow), Timed, Continuous
Reading Prompts	Reading, Stable	Reading, Stable, Locked	
Temp. Compensation	MTC	ATC, MTC	
Inputs			
pH Electrode	BNC(Q9)		
Conductivity Probe	/	-	-

Temp./DO Probe	-	4-pin aviation connector	6-pin MiniDIN
Display Options			
Backlight	Yes		
Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off	-	-
IP Rating	IP54		
Auto Shut-down	-	1~60 min, off	
Date and Time	-	Yes	
General			
Power	AC Adapter, 100-240 V AC input, DC 9V output	AC Adapter,100-240 V AC input, DC9 V output	AC Adapter, 100-240 V AC input, DC24 V output
Dimensions	200x160x63 mm	242 x 195 x 68 mm	280x280x130 mm
Weight	600 g (1.32 lb)	900 g(1.98 lb)	2500 g (5.51 lb)
Temperature			
Range	-	- 5 to 110 ℃, 23 to 230 ℉	-5 to 130 ℃
Unit	-	℃, ℉	℃
Resolution	-	0.1	
Accuracy	-	± 0.2	± 0.1
Relative Accuracy	-	-	-
Data Management			
Data Storage	-	500 results each	1000 Groups
GLP Features	-	Yes	
Log Management	-	-	Yes
Outputs			
USB	-	PC	-
RS 232	-	printer	-
USB,RS 232	-	-	USB 2.0 flash memory device, printer, PC
Bluetooth	-	-	-
mV/ORP			
Range	-	-	- 2000.00 to 2000.00 mV
Resolution	-	-	0.1, 0.01 mV
Accuracy	-	-	± 0.1 mV or ± 0.03 %
EH ORP Mode	-	-	-
ORP Calibration Points	-	-	-

Model	BMET-204	BMET-205	BMET-206
pH			
Range	-2.00 to 14.00 pH	-2.00 to 20.00 pH	-3.00 to 20.00 pH
Resolution	0.01 pH	0.1, 0.01 pH	0.1, 0.01, 0.001pH
Accuracy	± 0.01 pH	± 0.02 pH	± 0.002 pH
Calibration Points	Up to 2	Up to 5	Up to 8
Standard Recognition	-	-	USA, NIST, MERK, JIS, GB and DIN buffers
Standard Customization	NIST buffers	Yes	
Calibration Reminder	-	-	Yes
Slope Limit	-	-	Yes
mV			
Range	-1800 to 1800 mV	-2000.0 to 2000.0 mV	-

Resolution	1 mV	0.1	-
Accuracy	± 0.1 %FS	± 0.3 mV or ± 0.1 % of reading whichever is greater	-
Conductivity			
Range	-	-	-
Resolution	-	-	-
Accuracy	-	-	-
Reference Temperature	-	-	-
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		BNC(Q9)	
Conductivity Probe	-	-	-
Temp./DO Probe	-	4-pin aviation connector	
Display Options			
Backlight		Yes	
Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off	300, 600, 1200, 1800, 3600sec, off	-
IP Rating		IP65	
Auto Shut-down	-	-	300, 600, 1200, 1800, 3600sec, off
Date and Time	-	Yes	
General			
Power	Rechargeable Lithium batter; AC Adapter, 100-240 V AC input, DC5V output	Rechargeable Lithium batter; AC Adapte,100-240 V AC input, DC5V output	Rechargeable Lithium batter; AC Adapter, 100-240 V AC input, DC5 V output
Dimensions	80 x 255 x 35 mm		90x255x40 mm
Weight	400 g(0.88 lb)		500 g(1.1 lb)
Temperature			
Range	-	- 5 to 110 ℃, 23 to 230 °F	-10 to 135 ℃, 14 to 275 °F
Unit	-	℃, °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	-	-	-
Outputs			
USB	-	PC,printer	USB 2.0 flash memory device, PC,scanner
RS 232	-	-	-
USB,RS 232	-	-	-
Bluetooth	-	-	printer
mV/ORP			
Range	-	-	- 2000.00 to 2000.00 mV
Resolution	-	-	0.1, 0.01 mV

Accuracy	-	-	reading whichever is greater
EH ORP Mode	-	-	Yes
ORP Calibration Points	-	-	1 custom point (relative mV)

BMET-201

BMET-202

BMET-203

BMET-204

BMET-205

BMET-206

BMET-207 PH METER

5-inch color touch screen, navigation operation, convenient and intuitive

Support Chinese and English two language systems

Support automatic and manual two type temperature compensation

Support measurement of PH value, mV value and temperature value

A magnetic stirrer is optional, supporting measurements in various states before, during, and after stirring

There are three end-point reading modes: manual, automatic, and timed

With three stability modes: strict, normal, fast reading. Diversified and multi-precision to meet customer needs

With timing interval mode, it can automatically read at timing intervals,which is convenient and quick

Supports connection of various external components such as printers and stirrers

Support data query, storage, deletion and printing, support storage of 10,000 sets of data

SPECIFICATIONS

Model	BMET-207
pH Measuring Range	- 2 ~ 20 pH
Temperature Measurement Range	0 ~ 120 ℃
pH Resolution	0.1 /0.01 /0.001 pH
mV Resolution	0.1 mV
Temperature Resolution	0.1 ℃
pH Basic Error	± 0.002 pH
Basic Error	± 0.1 mV

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Temperature Basic Error	± 0.2 ℃
Temperature Compensation	Automatic/Manual 0 ~ 120 ℃
Storage Capacity	10000 sets of measurement data
Standard Electrode	E-201 compound electrode BNC interface
Calibration Method	2 sets of preset buffer solutions
Screen	5 inches color capacitive touch screen
Dimension(W × D × H)	175 mm × 165 mm × 70 mm
Weight (kg)	0.7 kg
Power Supply	AC 100 V ~ 240 V，50/60 Hz