

# PH METER



# PH METER

Used in Food & beverage, Pharmaceutical, Oil & gas, Agriculture, Water treatment plant.

Also known as Potentiometric pH meter, pH Tester.

## MET21 PH METER



### SPECIFICATIONS

Model	MET21-14	MET21-20	MET21-06
<b>pH</b>			
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
<b>mV</b>			
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	-
<b>Conductivity</b>			
Range	/	-	-
Resolution	/	-	-
Accuracy	/	-	-
Reference Temperature	/	-	-
<b>Measurement</b>			
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	
<b>Inputs</b>			
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 °C, 23 to 230 °F	-5 to 130 °C
Unit	-	°C, °F	°C
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	MET21-02	MET21-05	MET21-08
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 °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	-	-	-
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)



MET21-14



MET21-20



MET21-06



MET21-02



MET21-05



MET21-08

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