

PH/ION METER



PH/ION METER

Used in General laboratory testing, Drinking water, General industrial processing, Wastewater treatment, Food & beverage testing.

Also known as Specific ion electrodes.

MET51-275 PH/ION METER



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SPECIFICATIONS

Model	MET51-275
Dissolved Oxygen Concentration	
Sensor Type	Polarographic
Range	0.00 to 99.99 mg/L
Resolution	2.01 mg/L
Accuracy	± 0.3 mg/L (0.00 to 20.00 mg/L) ± 10 % (20.00 to 99.99 mg/L)
Calibration Reminder	Yes
Calibration Points	Air-saturated water or zero point
Barometric Compensation	Yes
Manual Salinity Factor Correction	Yes
Saturation	
Range	(0.0 to 600.0) %
Resolution	0.10 %
Accuracy	± 10.0 %
Temperature	
Range	-10 to 135 °C, 14 to 275 °F
Unit	°C, °F
Resolution	0.1
Relative Accuracy	± 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./DO Probe	4-pin aviation connector
Outputs	
USB	USB 2.0 flash memory device, PC, scanner
Bluetooth	printer
Display Options	
Backlight	Yes
Auto Shutdown	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	90 x 255 x 40 mm
Weight	500 g (1.1 lb)

MET51-010 PH/ION METER



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SPECIFICATIONS

Model	MET51-010
Dissolved Oxygen Concentration	
Sensor Type	Optical
Range	0.00 to 20.00 mg/L
Resolution	1.01mg/L
Accuracy	±0.3 mg/L (0.00 to 20.00 mg/L)
Calibration Points	Air-saturated water or zero point
Barometric Compensation	Yes
Manual Salinity Factor Correction	Yes
Saturation	
Range	(0.0 to 200.0) %
Resolution	0.10 %
Accuracy	± 10.0 %
Temperature	
Range	0 to 50 °C
Unit	°C,
Resolution	0.1

Relative Accuracy	± 0.2
Measurement	
Reading Mode	AutoRead(Fast, Medium, Slow), Timed, Continuous
Data Management	
Data Storage	1000 Groups
GLP Features	Yes
Inputs	
Temp./DO Probe	4-pin aviation connector
Outputs	
USB	USB 2.0 flash memory device, PC,scanner
Bluetooth	printer
Display Options	
Backlight	Yes
Auto Shutdown	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	90 x 255 x 40 mm
Weight	500g (1.1 lb)

MET51-020 PH/ION METER



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SPECIFICATIONS

Model	MET51-020
pH	
Range	-2.00 to 20.00 pH
Resolution	0.1, 0.01 pH
Accuracy	± 0.01 pH
Calibration Points	Up to 5
Standard Customization	Yes
Standard Recognition	NIST, GB and DIN buffers
mV	
Range	-2000.0 to 2000.0 mV
Resolution	0.1 mV

Accuracy	± 0.3 mV or ± 0.1 % of reading whichever is greater
pX	
Range	- 2.00 to 20.00
Resolution	0.1, 0.01 pX
Accuracy	± 0.02 pX
Calibration Points	Up to 5
ISE	
Range	1E-9 to 9.999E9
Unit	mol/L, mmol/L, g/L, mg/L, μ g/L, ppm
Resolution	Up to 4 significant digits
Accuracy	± 0.5 %
Calibration Points	Up to 5
Temperature	
Range	-5 to 110 °C, 23 to 230 °F
Unit	°C, °F
Resolution	0.1
Accuracy	± 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	
pH Electrode	BNC(Q9)
Temp./DO Probe	4-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, DC 9 V output
Dimensions	242x195x68 mm
Weight	900 g (1.98 lb)

MET51-230 PH/ION METER



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SPECIFICATIONS

Model	MET51-230
pH	
Range	-2.000 to 20.000 pH
Resolution	0.1, 0.01, 0.001 pH
Accuracy	± 0.002 pH
Calibration Points	Up to 6
Standard Customization	Yes
Standard Recognition	NIST,GB,DIN buffers
mV	
Range	-2000.00 to 2000.00 mV
Resolution	0.1, 0.01 mV
Accuracy	± 0.1 mV or ± 0.03 % of reading whichever is greater
pX	
Range	- 2.000 to 20.000 pX
Resolution	0.1, 0.01, 0.001 pX
Accuracy	±0.002 pX
Calibration Points	Up to 6
ISE	
Range	1E-9 to 9.999E10
Unit	mol/L, mmol/L, g/L, mg/L, µg/L, ppm
Resolution	Up to 4 significant digits
Accuracy	± 0.3 %
Calibration Points	Up to 6
Temperature	
Range	-10 to 135 °C, 14 to 275 °F
Unit	°C, °F
Resolution	1.1
Accuracy	± 0.3
Measurement	
Reading Mode	AutoRead(Fast, Medium,Slow), Timed, Continuous
Reading Prompts	Reading, Stable, Locked
Temp. Compensation	ATC, MTC

Data Management	
Data Storage	501 results each
GLP Features	Yes
Inputs	
pH Electrode	BNC(Q9)
Temp./DO Probe	4-pin aviation connector
Outputs	
USB	PC
RS 233	printer
Display Options	
Backlight	Yes
Auto Shut-down	2~60 min, off
IP Rating	IP55
Date and Time	Yes
General	
Power	AC Adapter, 100-240 V AC input, DC 9 V output
Dimensions	243x195x68 mm
Weight	901 g (1.98 lb)

MET51-600 PH/ION METER



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SPECIFICATIONS

Model	MET51-600
pH	
Range	-3.000 to 20.000 pH
Resolution	1.1, 0.01, 0.001 pH
Accuracy	± 0.002 pH
Calibration Points	Up to 7
Standard Customization	Yes
Standard Recognition	NIST,GB,DIN,USA and MERK buffers
Slope Limit	Yes
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	Yes
ORP Calibration Points	1~2 custom point (relative mV)
pX	
Range	- 2.000 to 20.000 pX
Resolution	0.1, 0.01, 0.001 pX
Accuracy	± 0.002 pX
Calibration Points	Up to 6
ISE	
Range	0~19990
Unit	mol/L, mmol/L, g/L, mg/L, µg/L
Resolution	Up to 4 significant digits
Accuracy	± 0.3 %
Calibration Points	Up to 6
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	
pH Electrode	BNC(Q9)
Temp./DO Probe	6-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)

MET51-300 PH/ION METER



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SPECIFICATIONS

Model	MET51-300
pH	
Range	-2.00 to 20.00 pH
Resolution	0.1, 0.01 pH
Accuracy	± 0.01 pH
Calibration Points	Up to 5
Standard Customization	Yes
Standard Recognition	NIST, GB and DIN buffers
mV	
Range	-2000.00 to 2000.00 mV
Resolution	0.1
Accuracy	± 0.3 mV or ± 0.1 %
pX	
Range	- 2.00 to 20.00
Resolution	0.1, 0.01 pX
Accuracy	±0.02 pX
Calibration Points	Up to 5
ISE	
Range	1E-9 to 9.999E9
Unit	mol/L, mmol/L, g/L, mg/L, µg/L, ppm
Resolution	Up to 4 significant digits
Accuracy	± 0.5 %
Calibration Points	Up to 5
Temperature	
Range	-5 to 110 °C, 23 to 230 °F
Unit	°C, °F
Resolution	0.1
Relative Accuracy	± 0.2
Measurement	
Reading Mode	AutoRead(Fast, Medium, Slow), Timed, Continuous
Reading Prompts	Reading, Stable, Locked
Temp. Compensation	ATC, MTC

Data Management	
Data Storage	1000 results each
GLP Features	Yes
Inputs	
pH Electrode	BNC(Q9)
Temp./DO Probe	4-pin aviation connector
Outputs	
USB	USB 2.0 flash memory device, PC,scanner
Display Options	
Backlight	Yes
Auto Shutdown	300, 600, 1200, 1800, 3600 sec, off
IP Rating	IP65
Yes	General: Power
General	
Dimensions	90x255x40 mm
Weight	500 g (1.1 lb)

MET51-135 PH/ION METER



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SPECIFICATIONS

Model	MET51-135
pH	
Range	-2.000 to 20.000 pH
Resolution	0.1, 0.01, 0.001 pH
Accuracy	± 0.002 pH
Calibration Points	Up to 8
Standard Customization	Yes
Calibration Reminder	Yes
Standard Recognition	USA, NIST, MERK, JIS, GB and DIN buffers
Slope Limit	Yes
mV/ORP	
Range	- 2000.00 to 2000.00 mV
Resolution	0.1, 0.01 mV
Accuracy	±0.1 mV or ±0.03 % of reading whichever is greater
EH ORP Mode	Yes

ORP Calibration Points	1 custom point (relative mV)
pX	
Range	- 2.000 to 20.000 pX
Resolution	0.1, 0.01, 0.001 pX
Accuracy	±0.002 pX
Calibration Points	Up to 6
ISE	
Range	1 E-9 to 9.999 E9
Unit	mol/L, mmol/L, g/L, mg/L, µg/L
Resolution	Up to 4 significant digits
Accuracy	± 0.3 %
Calibration Points	Up to 8
Temperature	
Range	- 10 to 135 °C, 14 to 275 °F
Unit	°C, °F
Resolution	0.1
Relative Accuracy	± 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	
pH Electrode	BNC(Q9)
Temp./DO Probe	4-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, 3600 sec, off
IP Rating	IP65
General	
Power	AC Adapter, 100-240 V AC input, DC 5 V output
Dimensions	90x255x40 mm
Weight	500 g (1.1 lb)

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