

Dynamica

pHMaster pH Meters for Lab and Life



Shown with optional stirrer.



Features and characteristics

- Compact, light weight design (880g)
- Large, backlit LCD for easy reading
- Intuitive and easy to use interface
- Wide pH measurement range from -2.00 up to 20.00 pH value
- Automatic temperature compensation (ATC)
- Built-in memory for up to 600 sets of stored data
- Electrode holder inclusive
- Acquisition software inclusive for downstream analysis of data
- Industry standard BNC connector accepts other brands of compatible pH electrodes
- Up to 3 points calibration with automatic buffer recognition function

The New pHMaster range of pH meters is designed for the contemporary laboratory environment and also specialized applications in biological and life sciences.

The small footprint belies advanced features augmented with a remarkable easy to use layout and all packaged in a robust casing to withstand the rigors of the laboratory. All models feature a user selectable 1, 2 or 3 points calibration with an automatic buffer recognition function.

The pHMaster BIO is designed with biological and life science applications in mind and is packaged with a combination electrode specific for TRIS buffer preparation thus overcoming the issues of inaccuracy obtained with general pH probes. There is also an optional micro pH electrode with a 4.5mm diameter for small volume applications in 1.5/2ml micro tubes.

For general laboratory applications, the pHMaster LAB is the ideal choice as it is packaged with a convenient 3-in-1 pH/ATC electrode which continuously compensates for any temperature fluctuations. Furthermore a variety of different electrodes is available for many applications involving environmental water, food, solid or semi-solid samples.

The optional smart stirrer provides the homogeneous conditions for more accurate pH measurements.

Model : pHMaster LAB General Purpose Laboratory pH Meter

SPECIFICATION		
Range	pH	-2.00 to 20.00 pH
	ORP	±1999 mV
	Temperature	-10 to 110°C
Resolution	pH	±0.01 pH
	ORP	±0.1% full scale
	Temperature	±0.5°C
Calibration	No of calibration points	User selectable 1, 2 or 3 points
	Automatic buffer recognition	4.00, 7.00, 10.01
		4.00, 6.86, 9.18
Other parameters	ATC	0 to 100°C
	Data storage	600 groups
	Communication port	RS-232
	Power	DC9V/300mA
	Dimensions (mm)	160 x 190 x 70
Electrode	Weight	880 g
	201T-M - Plastic housing non-refillable pH/ATC 3-in-1 electrodes BNC connector	

Model : pHMaster BIO Biological and Life Science Application pH Meter

SPECIFICATION		
Range	pH	-2.00 to 20.00 pH
	ORP	±1999 mV
	Temperature	-10 to 110°C
Resolution	pH	±0.01 pH
	ORP	±0.1% full scale
	Temperature	±0.5°C
Calibration	No of calibration points	User selectable 1, 2 or 3 points
	Automatic buffer recognition	4.00, 7.00, 10.01
		4.00, 6.86, 9.18
Other parameters	ATC	0 to 100°C
	Data storage	600 groups
	Communication port	RS-232
	Power	DC9V/300mA
	Dimensions (mm)	160 x 190 x 70
Electrode	Weight	880 g
	P16-TRIS - Glass refillable pH 2-in-1 combine electrode (compatible to TRIS buffer), MP500 temperature probe BNC connector	

Electrodes* and Buffer Solution:

1. Type 201-C : Standard Plastic pH Electrode
- Plastic non-refillable pH 2-in-1 combination electrode
2. Type 200-C : High Accuracy Plastic pH Electrode
- Plastic refillable pH 2-in-1 combination electrode
3. Type 206-C : Mini Plastic pH Electrode
- 10mm diameter, 126mm length, plastic refillable pH 2-in-1 combination electrode
4. Type 201T-M : Standard Plastic pH/ATC Electrode
- Plastic non-refillable pH 3-in-1 combination electrode
5. Type 2501-C : Standard Glass pH Electrode
- Glass refillable pH 2-in-1 combination electrode
6. Type 2503-C : High Precision Glass pH Electrode
- Glass refillable pH 2-in-1 combination electrode
7. Type 2503G-C : High Temperature Glass pH Electrode
- Glass refillable pH 2-in-1 combination electrode
8. Type 2503S-C : Strong Acid Resistance Glass pH Electrode
- Glass refillable pH 2-in-1 combination electrode
9. Type PP13-MICRO : Micro volume pH Electrode (TRIS compatible)
- 4.5mm diameter glass refillable pH 2-in-1 combination electrode
10. Type MP500 : Temperature Probe
11. pH Calibration Buffer Solution

Description	Accuracy	Volume
pH 4.00	±0.01 pH (25°C)	50 ml
pH 7.00	±0.01 pH (25°C)	50 ml
pH 10.01	±0.01 pH (25°C)	50 ml

* all electrodes have BNC connectors

Ordering Information

PRODUCT	CATALOG NUMBER
pHMaster LAB – includes electrode holder, type 201T-M plastic pH/ATC 3-in-1 non-refillable electrode, calibration buffers pH4.0 / 7.0 / 10.01, dust cover	PHM-L-220
pHMaster BIO – includes electrode holder, type P16-TRIS glass 2-in-1 refillable electrode, type MP500 temperature probe, calibration buffers pH4.0 / 7.0 / 10.01, dust cover	PHM-B-220
Smart Stirrer (maximum 2300 rpm)	SSTIR

Dynamica GmbH

Moosmattstr. 32
CH-8953 Dietikon, Switzerland
P: +41 44 744 2828
F: +41 44 744 2864
Email: info@dynamica-eu.com
Web: www.dynamica-eu.com

Australasia

Dynamica Pty Ltd

Unit C3 Hallmarc Business Park
Corner Centre and Westall Roads
Clayton, Victoria, 3168, Australia
P: +61 3 8540 5988
F: +61 3 9548 7177
Email: info@dynamica.com.au
Web: www.dynamica.com.au

Asia

Dynamica (Asia) Limited

Room 607, Yen Sheng Centre
64 Hoi Yuen Road, Kwun Tong
Kowloon, Hong Kong
P: +852 3583 1581
F: +852 3583 1580
Email: info@dynamica-asia.com
Web: www.dynamica-asia.com