






MW100 PRO/MW101 PRO/MW102 PRO+ Budget pH/Temperature Portable Meters for fast and reliable results

MW100 PRO, MW101 PRO and MW102 PRO+ are compact microprocessor-based pH, and Temperature Portable Meters. These handy and ergonomically designed portable meters are ideal for anyone working on a low budget and still requires fast and reliable measurements.

These portable meters are suitable for a wide range of applications, such as Educational, Agriculture and Horticulture, as well as water and environmental analysis. These easy and fast to calibrate portable meters have a small, ergonomic and light case design. Other features include large and easy to read LCD and long battery life.

All meters are supplied with pH electrodes and calibration solutions in a carton box.

- **MW100 PRO** performs pH measurements with a 0.1 pH resolution.
- **MW101 PRO** performs pH measurements with a 0.01 pH resolution and with manual temperature compensation.
- **MW102 PRO+** is a microprocessor based pH/Temperature meter with extended range (-2.00 to 16.00 pH), Automatic Temperature Compensation, automatic calibration in 2 points and ± 0.02 pH accuracy.

Specifications				
		MW100 PRO pH Meter	MW101 PRO pH Meter	MW102 PRO+ pH/Temp Meter
Range	pH Temp.	0.0 to 14.0 pH	0.00 to 14.00 pH	-2.00 to 16.00 pH -5 to 70°C
Resolution	pH Temp.	0.1 pH	0.01 pH	0.01 pH 0.1°C
Accuracy (@25°C)	pH Temp.	± 0.2 pH	± 0.02 pH	± 0.02 pH $\pm 0.5^\circ\text{C}$
Typical EMC Deviation	pH Temp.			± 0.02 pH $\pm 0.5^\circ\text{C}$
Temperature Compensation		N.A.	manual, 0 to 50°C	automatic, 0 to 70°C
Calibration		manual, 2-point through offset and slope trimmers	manual, 2-point through offset and slope trimmers	automatic at 1 or 2 points with memorized buffers (pH 4.01, 7.01, 10.01)
pH Electrode		SE220 (included)	SE220 (included)	SE220 (included)
Temperature Probe				MA831R (included)
Environment		0 to 50°C, max RH 95%	0 to 50°C, max RH 95%	0 to 50°C, max RH 95%
Battery Type		1 x 9V alkaline (included)	1 x 9V alkaline (included)	1 x 9V alkaline (included)
Battery Life		approx. 300 hours of use	approx. 300 hours of use	approx. 300 hours of use
Auto-off				after 8 minutes of non-use
Packaging dimensions		212 x 145 x 67 mm	212 x 145 x 67 mm	212 x 145 x 67 mm
Packaging weight		440 g	420 g	500 g

Accessories

- M10004B** pH 4.01 buffer solution 20 mL sachet (25 pcs)
M10007B pH 7.01 buffer solution 20 mL sachet (25 pcs)
M10010B pH 10.01 buffer solution 20 mL sachet (25 pcs)
MA9004 pH 4.01 buffer solution, 230 mL bottle
MA9007 pH 7.01 buffer solution, 230 mL bottle

- MA9010** pH 10.01 buffer solution, 230 mL
MA9015 Electrode storage solution, 230 mL
MA9016 Electrode cleaning solution, 230 mL
MA831R Temperature probe
SE220 pH electrode with BNC connector and 1 m cable



Ordering Information

MW100 PRO and **MW101 PRO** are supplied complete with a SE220 pH electrode, pH 7.01 20 mL sachet of calibration solution, calibration screwdriver, 9V battery and instructions.

MW102 PRO+ is supplied complete with a SE220 pH electrode, MA831R stainless steel temperature probe, pH 4.01 and pH 7.01 20 mL sachet of calibration solution, 9V battery and instructions.