

MW100 PRO/MW101 PRO/MW102 PRO+/MW500 PRO

Budget pH/ORP/Temperature Portable Meters for fast and reliable results



MW100 PRO, MW101 PRO, MW102 PRO+ and MW500 PRO are compact microprocessor-based pH, ORP 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 or ORP 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.
- **MW500 PRO** performs ORP measurements with a range of ± 1000 mV.

Specifications	 MW100 PRO pH Meter	 MW101 PRO pH Meter	 MW102 PRO+ pH/Temp Meter	 MW500 PRO ORP Meter
Range	pH/ORP Temp. 0.0 to 14.0 pH	0.00 to 14.00 pH	-2.00 to 16.00 pH -5 to 70°C	± 1000 mV
Resolution	pH/ORP Temp. 0.1 pH	0.01 pH	0.01 pH 0.1°C	1 mV
Accuracy (@25°C)	pH/ORP Temp. ± 0.2 pH	± 0.02 pH	± 0.02 pH $\pm 0.5^\circ\text{C}$	± 5 mV
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)	SE300 (included)
ORP Electrode				
Temperature Probe			MA830R (included)	
Environment	0 to 50°C, max RH 95%	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)	1 x 9V alkaline (included)
Battery Life	approx. 300 hours of use	approx. 300 hours of use	approx. 300 hours of use after 8 minutes of non-use	approx. 300 hours of use
Auto-off				
Packaging dimensions	212 x 145 x 67 mm	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	400 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
MA830R Temperature probe
MA9020 200-275 mV ORP solution, 230 mL
SE220 pH electrode with BNC connector and 1 m cable
SE300 Platinum ORP electrode with 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, MA830R stainless steel temperature probe, pH 4.01 and pH 7.01 20 mL sachet of calibration solution, 9V battery and instructions.

MW500 PRO is supplied complete with a SE300 platinum electrode, 9V battery and instructions.