

# MW100/MW101/MW102/MW500

Entry level, inexpensive pH/ORP/Temperature Portable Meters for fast and reliable results

- ATC
- MTC
- Points 2
- Self diagnosis
- CE



MW100, MW101, MW102 and MW500 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 Display and long battery life.

All meters are supplied with pH or ORP electrodes and calibration solutions.

- **MW100** performs pH measurements with a 0.1 pH resolution.
- **MW101** performs pH measurements with a 0.01 pH resolution and with manual temperature compensation.
- **MW102** 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  $\pm 0.02$  pH accuracy.
- **MW500** performs ORP measurements with a range of  $\pm 1000$  mV.

Specifications	MW100 pH Meter	MW101 pH Meter	MW102 pH/Temp Meter	MW500 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	$\pm 1000$ 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. $\pm 0.2$ pH	$\pm 0.02$ pH	$\pm 0.02$ pH $\pm 0.5^\circ\text{C}$	$\pm 5$ mV
Typical EMC Deviation	pH Temp.		$\pm 0.02$ 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	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	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

- MA9015** Electrode storage solution, 230 mL
- MA9016** Electrode cleaning solution, 230 mL
- MA830R** Temperature probe
- MA9020** 200-275 mV ORP solution, 230 mL bottle
- SE220** pH electrode with BNC connector and 1 m cable
- SE300** Platinum ORP electrode with 1 m cable



## Ordering Information

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

**MW102** 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** is supplied complete with a SE300 platinum electrode, 9V battery and instructions.

## Contact :

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