

# MW100/MW101/MW102/MW500

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

- ATC
- MTC
- Points 2
- Self diagnostics
- CE







MW100, MW101, MW102 and MW500 are compact pH, ORP and Temperature Portable Meters with Faster Micro Processor. 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 easier and faster to calibrate portable meters have a smaller, ergonomic and lighter case design. Other features include 100% larger and easier 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 and with manual temperature compensation.
- **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	 <b>MW100 pH Meter</b>	 <b>MW101 pH Meter</b>	 <b>MW102 pH/Temp Meter</b>	 <b>MW500 ORP Meter</b>
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	
pH Electrode	SE220 (included)	SE220 (included)	SE220 (included)	
ORP Electrode				SE300 (included)
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				
Dimensions	145 x 80 x 40 mm	145 x 80 x 40 mm	145 x 80 x 40 mm	145 x 80 x 40 mm
Weight	220 g (with battery)	220 g (with battery)	220 g (with battery)	220 g (with battery)

### 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.

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