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**New**



## MW100/MW101/MW102/MW500

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





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 LED 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 $\pm 0.5$ °C	$\pm 5$ mV
Typical EMC Deviation	pH Temp		$\pm 0.02$ pH $\pm 0.5$ °C	
Temperature Compensation	manual, 0 to 50°C	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	MA911B/1 (included)	MA911B/1 (included)	MA911B/1 (included)	
ORP Electrode				MA921B/1 (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
- MA911B/1** pH electrode with BNC connector and 1 m cable (will be replaced by **SE230**)
- SE230(\*)** pH electrode with BNC connector and 1 m cable
- MA921B/1** Platinum ORP electrode with 1 m cable (will be replaced by **SE310**)
- SE310(\*)** Platinum ORP electrode with 1 m cable

(\*) Available from the 1<sup>st</sup> of September 2010

### Ordering Information

**MW100** and **MW101** are supplied complete with a MA911B/1 pH electrode, pH 7.01 20 mL sachet of calibration solution, calibration screwdriver, 9V battery and instructions.

**MW102** is supplied complete with a MA911B/1 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 MA921B/1 platinum electrode, 9V battery and instructions.