

New

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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 ± 0.02 pH accuracy.
- **MW500** performs ORP measurements with a range of ± 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 | ± 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 | 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 1st 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.