



MW100/MW101/MW102/MW500

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

- ATC
- MYC
- Points 2
- Self Compensation
- 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.
- **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 | | 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 | | | | MA830R (included) | |
| Temperature Probe | | | | | |
| 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.