

# MW803/MW804

## pH/Conductivity/TDS/Temperature Testers with replaceable electrode

The **MW803** and **MW804** are Waterproof testers with dual-level LCD that measure pH/Conductivity/TDS/Temperature in one single tester!

The large display shows readings in an extended range from 0.00 to 14.00 pH and 0 to 3999  $\mu\text{S}/\text{cm}$ , 0 to 2000 ppm (MW803), 0 to 20.00  $\text{mS}/\text{cm}$ , 0 to 10.00 ppt (MW804) and simultaneously shows temperature from 0.0 to 50.0°C or 32.0 to 122.0°F. They have a stability indicator and hold function that freezes the display for easy and accurate recording. The large display also has graphic symbols to guide you through all operations. The EC/TDS conversion factor is user selectable as well as the temperature compensation coefficient ( $\beta$ ).

Ideal for quick and accurate measurements in swimming pools, aquariums and horticultural applications they can also be used in Industrial and Laboratory applications such as cooling towers, food processing, plating, drinking and waste water etc.

Specifications		MW803	MW804
Range	pH EC TDS Temp.	0.00 to 14.00 pH 0 to 3999 $\mu\text{S}/\text{cm}$ 0 to 2000 ppm 0.0 to 50.0°C / 32.0 to 122.0°F	0.00 to 14.00 pH 0 to 20.00 $\text{mS}/\text{cm}$ 0 to 10.00 ppt 0.0 to 50.0°C / 32.0 to 122.0°F
Resolution	pH EC TDS Temp.	0.1 pH 1 $\mu\text{S}/\text{cm}$ 1 ppm 0.1°C / 0.1°F	0.01 pH 0.01 $\text{mS}/\text{cm}$ 0.01 ppt 0.1°C / 0.1°F
Accuracy (@25°C)	pH EC/TDS Temp.	$\pm 0.05$ pH 2% Full scale $\pm 0.5^\circ\text{C}$ / $\pm 1^\circ\text{F}$	$\pm 0.05$ pH 2% Full scale $\pm 0.5^\circ\text{C}$ / $\pm 1^\circ\text{F}$
Temperature Compensation		automatic with $\beta=0.0$ to 2.4%/°C	automatic with $\beta=0.0$ to 2.4%/°C
Calibration		automatic, 1 point for EC and 1 or 2 points for pH	automatic, 1 point for EC and 1 or 2 points for pH
TDS Factor		0.45 to 1.00 (conv.)	0.45 to 1.00 (conv.)
Probe		Mi60P (replaceable)	Mi60P (replaceable)
Environment		0 to 50°C; 100% RH max.	0 to 50°C; 100% RH max.
Battery Type		4 x 1.5V; IEC LR44, A76 (included)	4 x 1.5V; IEC LR44, A76 (included)
Battery Life		approx. 100 hours of use	approx. 100 hours of use
Auto-off		after 8 minutes of non-use	after 8 minutes of non-use
Dimensions		200 x dia 38 mm	200 x dia 38 mm
Weight		100 g	100 g

### Accessories

- Mi60P** Replaceable probe for MW803 & MW804
- M10000B** Rinse solution, 20 mL sachet (25 pcs)
- 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)
- M10016B** Cleaning solution, 20 mL sachet (25 pcs)
- M10030B** 12880  $\mu\text{S}/\text{cm}$  calibration solution, 20 mL sachet, 25 pcs
- M10031B** 1413  $\mu\text{S}/\text{cm}$  calibration solution, 20 mL sachet, 25 pcs
- M10032B** 1382 ppm (mg/L) calibration solution, 20 mL sachet, (25 pcs)

- M10038B** 6.44 ppt (g/L) calibration solution, 20 mL sachet, (25 pcs)
- MA9004** pH 4.01 buffer solution, 230 mL bottle
- MA9006** pH 6.86 buffer solution, 230 mL bottle
- MA9007** pH 7.01 buffer solution, 230 mL bottle
- MA9009** pH 9.18 buffer solution, 230 mL bottle
- MA9010** pH 10.01 buffer solution, 230 mL bottle
- MA9015** Electrode storage solution, 230 mL
- MA9060** 12880  $\mu\text{S}/\text{cm}$  calibration solution, 230 mL bottle
- MA9061** 1413  $\mu\text{S}/\text{cm}$  calibration solution, 230 mL bottle
- MA9062** 1382 ppm calibration solution, 230 mL bottle
- MA753** Hard carrying case for 2 testers

### Packaging Information

**MW803** and **MW804** is supplied in a tubular plastic casing. Optionally the **MA753** hard carrying case can be purchased.



### pH/EC/TDS/Temp Sensor

The **MW803** and **MW804**'s exposed temperature sensor provides fast response time, and its proximity to the conductivity probe guarantees much more accurate temperature compensated readings.



### Replaceable probe

Replace the probe in a fast and simple way yourself! Just unscrew the plastic ring on the top of the probe and replace the probe with a new one.



### Battery life

Percentage of battery power remaining will be displayed upon startup.



### Ordering Information

**MW803** and **MW804** is supplied complete with protective cap, 20 mL pH 4.01 and pH 7.01 sachets of calibration solution, 20 mL 1413  $\mu\text{S}/\text{cm}$  calibration solution (MW803), 20 mL 12880  $\mu\text{S}/\text{cm}$  calibration solution (MW804), batteries and instructions.