

MW301/MW302/MW401/MW402

Entry level, inexpensive Conductivity & TDS
Portable Meters for fast and reliable results

MW301, MW302, MW401 and MW402 are compact Conductivity and TDS 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 portable meters with Automatic Temperature Compensation have a smaller, ergonomic and lighter case design. Other features include 100% larger and easier to read LCD Display and long battery life.

Each meter is supplied complete with Conductivity/TDS probe with 1 meter cable and calibration solution.

Choose your portable EC & TDS meter according to the proper EC/TDS ranges for your application:

- **MW301:** 0 to 1999 $\mu\text{S}/\text{cm}$ with a 1 $\mu\text{S}/\text{cm}$ resolution;
- **MW302:** 0.0 to 10.0 mS/cm with a 0.1 mS/cm resolution;
- **MW401:** 0 to 1999 mg/L (ppm) with a 1 mg/L resolution;
- **MW402:** 0.0 to 10.0 g/L (ppt) with a 0.1 g/L resolution.

| Specifications | MW301 | MW302 | MW401 | MW402 |
|----------------------------------|--|--------------------------------------|--------------------------------------|---------------------------------------|
| Range | 0 to 1999 $\mu\text{S}/\text{cm}$ | 0.0 to 10.0 mS/cm | 0 to 1999 mg/L (ppm) | 0.0 to 10.0 g/L (ppt) |
| Resolution | 1 $\mu\text{S}/\text{cm}$ | 0.1 mS/cm | 1 mg/L (ppm) | 0.1 g/L (ppt) |
| Accuracy (@25°C) | $\pm 2\%$ Full Scale | $\pm 2\%$ Full Scale | $\pm 2\%$ Full Scale | $\pm 2\%$ Full Scale |
| Conversion factor | | | 0.5 | 0.5 |
| Calibration Solutions (included) | 1413 $\mu\text{S}/\text{cm}$ (M10031B) | 5.00 mS/cm (M10039B) | 1382 mg/L (M10032B) | 6.44 g/L (M10038B) |
| Conductivity probe | SE510 (included) | SE520 (included) | SE510 (included) | SE520 (included) |
| Temperature Compensation | automatic, from 5 to 50°C | automatic, from 5 to 50°C | automatic, from 5 to 50°C | automatic, from 5 to 50°C |
| 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 | approx. 300 hours of use |
| 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

- SE510** EC/TDS probe with DIN connector and 1 m cable for MW301, MW401
- SE520** EC/TDS probe with DIN connector and 1 m cable for MW302, MW402
- M10031B** 1413 $\mu\text{S}/\text{cm}$ calibration solution, 20 mL (25 pcs)
- M10032B** 1382 ppm (mg/L) calibration solution, 20 mL (25 pcs)

- M10038B** 6.44 ppt (g/L) calibration solution, 20 mL (25 pcs)
- 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 TDS solution, 230 mL bottle

Ordering Information

MW301 is supplied complete with SE510 EC probe, 20 mL 1413 $\mu\text{S}/\text{cm}$ sachet of calibration solution, screwdriver for calibration, 9V battery and instructions.

MW302 is supplied complete with SE520 EC probe, 20 mL 5.00 mS/cm sachet of calibration solution, screwdriver for calibration, 9V battery and instructions.

MW401 is supplied complete with SE510 EC probe, 20 mL 1382 ppm sachet of calibration solution, screwdriver for calibration, 9V battery and instructions.

MW402 is supplied complete with SE520 EC probe, 20 mL 6.44 ppt sachet of calibration solution, screwdriver for calibration, 9V battery and instructions.

Packaging Information

MW301, MW302, MW401, MW402 are supplied in a catron box. Optionally they can be ordered in a hard carrying case (MA751).



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