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of our products without advance notice.



SPECIFICATIONS:

RANGE/RESOLUTION

MW301 0 to 1990 μ S/cm / 10 μ S/cm MW302 0.0 to 10.0 mS/cm / 0.1 mS/cm MW401 0 to 1990 mg/L (ppm) / 10 mg/L MW402 0.0 to 10.0 g/L (ppt) / 0.1 g/L

ACCURACY (@25°C) ±2% Full Scale

CONVERSION FACTOR

MW401 0.5 MW402 0.5

CALIBRATION SOLUTIONS

MW301 & MW302 1413 μ S/cm = 1.41 mS/cm (**M10031B**)

MW401 1382 ma/L (M10032B) MW402 6.44 g/L (M10038B)

CONDUCTIVITY PROBE

MW301 & MW401 MA811D/1 (included) MA812D/1 (included) MW302 & MW402 TEMP.COMPENSATION Automatic, from 5 to 50°C **ENVIRONMENT** 0 to 50°C, 95% RH max. **BATTERY TYPE** 1 x 9V alkaline (included) **BATTERY LIFE** approximately 300 hours of use **DIMENSIONS** 143 x 80 x 32 mm

WEIGHT 220 g (with battery) meter only

OPTIONAL ACCESSORIES:

M10031B 1413 µS/cm (1.41 mS/cm) calibration solution,

20 mL sachet (25 pcs)

M10032B 1382 mg/L solution, 20 ml sachet (25 pcs) M10038B 6.44 g/L solution, 20 ml sachet (25 pcs)

MA811D/1 EC/TDS probe w/DIN connector and 1m cable MA812D/1 EC/TDS probe w/DIN connector and 1m cable

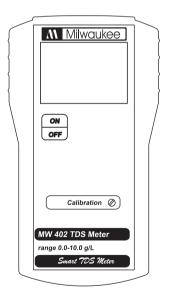
Portable meter wall mounting kit **MA950**



USER MANUAL

PORTABLE CONDUCTIVITY & TDS METERS MODELS: MW301, MW302, MW401, MW402

Smart EC & 7DS Meters



OPERATION:

- The meter is supplied complete with a 9V battery. Slide off the battery compartment cover on the back of the meter. Install the battery into the battery clip connector while observing polarity.
- Connect the probe to the meter securely by aligning the pins with the plug in.
- Make sure that the meter has been calibrated before taking any measurements (see Calibration Procedure).
- Immerse the tip (4 cm) of the EC/TDS probe into the sample. If possible use plastic beakers or containers to minimize any EMC interference.

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CALIBRATION SOLUTION

MW 402 TDS Meter

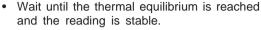
Smart 7DS Meter

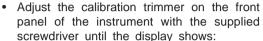
range 0.0-10.0 g/L

- Turn the instrument on by pressing the ON/OFF key.
- Wait for the temperature sensor to reach the thermal equilibrium before taking any measurements.
- After use, the instrument should be switched off and the probe should be cleaned and dried. Whenever needed, use alcohol for better cleaning.

CALIBRATION PROCEDURE:

- Clean the probe with alcohol and let it dry.
- Open a sachet of conductivity calibration solution (see Specifications) and immerse the probe making sure that the metal pins are completely submerged.







"1.4 mS" for **MW302**

"1380 mg/L" (ppm) for **MW401**

"6.4 g/L" (ppt) for **MW402**

 The calibration is now complete and the meter is ready for use.

The instrument should be re-calibrated at least once a month, or whenever the probe or battery is changed.



When the battery becomes weak the meter will display "-". When the low battery indicator appears, the battery has only about 50 hours of working time left. A low battery will result in unreliable measurements. Prompt battery replacement is required.

Battery replacement must only take place in a non-hazardous area using an alkaline 9V battery.

Turn the meter off, slide the battery compartment cover located at the rear of the meter off and replace the 9V battery with a new one. Make sure the battery contacts are fully engaged in the connector, seat the battery in its compartment and replace the cover.

