

## MW306 MAX



MW306



Conductivity / TDS / NaCl / Temperature MAX Portable Meter

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### Description

#### MW306 MAX Conductivity / TDS / NaCl / Temperature Professional Portable Meter

**MW306 MAX** is a waterproof and portable meter with a user friendly interface. Designed to measure four different parameters – EC, TDS, percentage of salinity in psu (NaCl%) and temperature – the meter is suitable for multiple applications.

- IP67 waterproof casing
- Data logging: 1000 logs can be stored in the built-in memory including readings, GLP data, date and time
- Different logging methods: manual log-on-demand (max. 200 logs); manual log-on-stability (max. 200 logs) and interval log (max. 600 samples; 100 lots)
- auto-ranging feature for both EC and TDS measurements automatically sets the most suitable resolution for the tested sample.
- GLP data review and the data can be transferred to a PC through a USB port.

Specifications	MW306 MAX
Range	EC 0.00 to 29.99 $\mu$ S/cm, 30.0 to 299.9 $\mu$ S/cm, 300 to 2999 $\mu$ S/cm; 3.00 to 29.99 mS/cm, 30.0 to 200.0 mS/cm, up to 500.0 mS/cm absolute EC* TDS 0.00 to 14.99 mg/L, 15.0 to 149.9 mg/L, 150 to 1499 mg/L, 1.50 to 14.99 g/L; 15.0 to 150.0 g/L, up to 400.0 g/L absolute (*) TDS (with 0.80 factor) Salinity 0.0 to 400.0 ‰ NaCl 2.00 to 42.00 PSU 0.00 to 80.00 g/L Temp -20.0 to 120.0 °C, -4.0 to 248.0 °F
Resolution	EC 0.01 $\mu$ S/cm, 0.1 $\mu$ S/cm, 1 $\mu$ S/cm, 0.01 mS/cm, 0.1 mS/cm TDS 0.01 mg/L, 0.1 mg/L, 1 mg/L, 0.01 g/L, 0.1 g/L Salinity 0.1 ‰ NaCl, 0.01 PSU, 0.01 g/L Temp 0.1 °C, 0.1 °F
Accuracy (@ 25 °C / 77 °F)	EC $\pm$ 1% of reading ( $\pm$ 0.05 $\mu$ S/cm or 1 digit, whichever is greater) TDS $\pm$ 1% of reading ( $\pm$ 0.03 ppm or 1 digit, whichever is greater) Salinity $\pm$ 1% of reading Temp $\pm$ 0.5 °C, $\pm$ 0.9 °F
Calibration	EC/TDS Single cell factor calibration 8 standards: 84 $\mu$ S/cm, 1413 $\mu$ S/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm, 111.8 mS/cm one-point offset: 0.00 $\mu$ S/cm Salinity one-point with MA9066 Salinity calibration solution
Temperature Compensation	ATC – automatic, from -5 to 100 °C (23 to 212 °F) MTC – manual, from -20 to 120 °C (3 to 212 °F) NO TC – without temperature compensation
Temperature Coefficient	0.00 to 8.99 % / °C (EC & TDS only) Default value: 1.90 % / °C
TDS Factor	0.40 to 0.80 Default value: 0.50
EC Probe	MA815D/1
Log	Max. 1000 log records (stored in up to 100 logs) On demand, 200 logs / On stability, 200 logs / Interval logging, 1000 logs
PC connectivity	1 micro USB port
Power supply	12 VDC adapter (included)
Battery life	Approx. 200 hours of use
Auto-off	5, 10, 30, 60 minutes or off
Environment	0 to 50 °C, max RH 95%
Casing	IP67
Packaging dimensions	265 x 280 x 115 mm
Packaging weight	1.22 kg

(\*) Absolute conductivity (or TDS) is the conductivity value without temperature compensation.

**Accessories:**

- **MA815D/1** 4-ring EC probe with DIN connector and 1 m cable
- **M10030B** 12880  $\mu$ S/cm calibration solution, 20 mL sachet, 25 pcs.
- **M10031B** 1413  $\mu$ S/cm calibration solution, 20 mL sachet, 25 pcs.
- **MA9060** 12880  $\mu$ S/cm calibration solution, 230 mL bottle
- **MA9061** 1413  $\mu$ S/cm calibration solution, 230 mL bottle
- **MA9063** 84  $\mu$ S/cm calibration solution, 230 mL bottle
- **MA9065** 111.8 mS/cm calibration solution, 230 mL bottle
- **MA9066** MA9066 100% NaCl calibration solution, 230 mL bottle
- **MA9069** 5000  $\mu$ S/cm solution, 230 mL bottle

**Ordering information:**

MW306 is supplied in a hard carrying case complete with:

- MA815D/1 EC/TDS/NaCl/Temp probe with DIN connector and 1 meter cable
- MA9060 12880  $\mu$ S/cm calibration solution, 230 mL bottle
- Micro USB cable
- Instruction manual