

MW306 MAX

Automatic & Logging EC/TDS/NaCl/Temperature 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.

Hard Carrying Case

The meter is supplied in a hard carrying case ideal for field measurements.

**Accessories**

- MA815D/1** 4-ring EC/TDS/NaCl/Temperature probe with DIN connector and 1 meter cable
- M10030B** 12880 µS/cm calibration solution, 20 mL sachet, 25 pcs.
- M10031B** 1413 µS/cm calibration solution, 20 mL sachet, 25 pcs.
- M10035B** 111.8 mS/cm calibration solution, 20 mL sachet, 25 pcs.
- MA9060** 12880 µS/cm calibration solution, 230 mL bottle
- MA9061** 1413 µS/cm calibration solution, 230 mL bottle
- MA9063** 84 µS/cm calibration solution, 230 mL bottle
- MA9065** 111.8 mS/cm calibration solution, 230 mL bottle
- MA9066** 100% NaCl calibration solution, 230 mL bottle
- MA9069** 5000 µS/cm solution, 230 mL bottle

Ordering Information

MW306 MAX is supplied in a hard carrying case complete with

- **MA815D/1** 4-ring EC/TDS/NaCl/Temperature probe with DIN connector and 1 meter cable
- **MA9316** electrode holder
- 12 VDC adapter
- Micro USB cable
- Instrument quality certificate
- Instruction manual

Specifications	MW306 MAX
Range	EC 0.00 to 29.99 µS/cm; 30.0 to 299.9 µS/cm; 300 to 2999 µS/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 100.0 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 µS/cm; 0.1 µS/cm; 1 µS/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 ±1% of reading (±0.05 µS/cm or 1 digit, whichever is greater) TDS ±1% of reading (±0.03 ppm or 1 digit, whichever is greater) Salinity ±1% of reading Temp ±0.5 °C; ±0.9 °F
Calibration	EC/TDS Single cell factor calibration 6 standards: 84 µS/cm, 1413 µS/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm, 111.8 mS/cm one-point offset: 0.00 µS/cm one-point with MA9066 Salinity calibration solution Salinity
Temperature Compensation	ATC – automatic, from -5 to 100 °C (23 to 212 °F) MTC – manual, from -20 to 120 °C (23 to 212 °F) NO TC – without temperature compensation
Temperature Coefficient	0.00 to 6.00 % / °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 lots) 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	305 x 280 x 115 mm
Packaging weight	1.22 kg

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