

## MW170 MAX



MW170

Conductivity / TDS / NaCl / Temperature Laboratory Bench Meter

Rating: Not Rated Yet

[Ask a question about this product](#)

### Description

**MW170 MAX Autoranging Conductivity / TDS / NaCl / Temperature Laboratory Bench Meter**

**MW170 MAX** is a compact and versatile bench meter that can measure up to four different parameters: EC, TDS, salinity (in PSU, g/L, percentage NaCl) and temperature. The main operating modes are setup, calibration, measurement and logging.

- Easy to read LCD display
- Auto-off feature to prolong battery life
- All measurements can be temperature compensated automatically (ATC), or manually (MTC) with a user-selectable compensation coefficient.
- Temperature compensation can be disabled (NO TC) if the actual conductivity value is required.
- The auto-ranging feature for both EC and TDS measurements automatically sets the most suitable resolution for the tested sample.
- Available log space for up to 1000 records. Logged data can be exported using a USB cable.

# Conductivity: MW170 MAX

- Dedicated GLP key to store and recall data on system status
- Built-in rechargeable battery with 8 hours battery life

Specifications	MW170 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 290.0 mS/cm; up to 500.0 mS/cm absolute conductivity* TDS 0.00 to 14.99 mg/L (ppm); 15.0 to 149.9 mg/L (ppm); 150 to 1499 mg/L (ppm); 1.5 to 14.99 g/L (ppt); 15.0 to 100.0 g/L (ppt); up to 400.0 g/L absolute TDS* (with 0.80 factor)
Salinity	0.0 to 40.0 ‰ 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; 1.0 $\mu$ S/cm; 0.01 mS/cm; 0.1 mS/cm TDS 0.01 mg/L; 0.1 mg/L; 1.0 mg/L; 0.01 g/L; 0.1 g/L Salinity 0.1‰ NaCl; 0.01 PSU; 0.01 g/L
Accuracy	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 6 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 MA906 Salinity calibration solution Temp 2 points, 0 to 50 °C / 32 to 122 °F
Temp. Compensation	ATC – automatic, from -5 to 100 °C (23 to 212 °F) MTC – manual, from -5 to 100 °C (23 to 212 °F) No TC – without temperature compensation
Temp. Coefficient	0.00 to 0.00 % / °C (EC & TDS only) Default value: 1.90 % / °C
Probe	MA814DB/1 4-ring probe with built-in temperature sensor (included)
TDS Factor	0.40 to 0.80 Default value: 0.50
Log	Maximum 1000 records; On demand, max. 200 samples; On stability, max. 200 samples Interval logging, max. 1000 samples (max. 100 lbs)
PC connectivity	1 micro USB port
Environment	0 to 50 °C, max RH 95%
Power supply	12 VDC adapter (included)
Battery life	8 hours
Packaging dimensions	335 x 120 x 255 mm
Packaging weight	2.16 kg

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

## Accessories:

- MA814DB/1 4-ring Conductivity/TDS/NaCl/Temperature probe with DIN connector and 1 meter cable
- 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
- MA9064 80000  $\mu$ S/cm conductivity solution, 230 mL bottle
- MA9065 111.8 mS/cm calibration solution, 230 mL bottle
- MA9066 100% NaCl calibration solution, 230 mL bottle
- MA9069 5000  $\mu$ S/cm solution, 230 mL bottle
- MA9315 Electrode Holder

## Ordering information:

MW170 is supplied complete with MA814D/1 EC/Temperature probe; MA9315 Electrode Holder; Micro USB cable; 12 VDC Adapter; Instruction Manual