

MW170 MAX



MW170

Conductivity / TDS / NaCl / Temperature Laboratory Bench Meter

Rating: Not Rated Yet

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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.

- 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 μ S/cm; 30.0 to 299.9 μ S/cm; 300 to 2999 μ 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 μ S/cm; 0.1 μ S/cm; 1.0 μ 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 |
| Temp | 0.1°C / 0.1°F |
| Accuracy | EC \pm 1% of reading (\pm 0.05 μ S/cm or 1 digit, whichever is greater) |
| (@ 25 °C / 77 °F) | 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 μ S/cm, 1413 μ S/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm, 111.8 mS/cm |
| Salinity | one-point offset: 0.00 μ S/cm |
| Temp | one-point with MA9069 Salinity calibration solution |
| Temp. Compensation | 2 points, 0 to 50 °C / 32 to 122 °F |
| | ATC – automatic, from -5 to 100 °C (23 to 212 °F) |
| | MTC – manual, from -5 to 100 °C (23 to 212 °F) |
| Temp. Coefficient | No TC – without temperature compensation |
| Probe | 0.00 to 0.00 % / °C (EC & TDS only) Default value: 1.90 % / °C |
| TDS Factor | MA814DB/1 4-ring probe with built-in temperature sensor (included) |
| Log | 0.40 to 0.50 Default value: 0.50 |
| PC connectivity | Maximum 1000 records; On demand, max. 200 samples; On stability, max. 200 samples |
| Environment | Interval logging, max. 1000 samples (max. 100 lbs) |
| Power supply | 1 micro USB port |
| Battery life | 0 to 50 °C, max RH 95% |
| Packaging dimensions | 12 VDC adapter (included) |
| Packaging weight | 8 hours |
| | 335 x 120 x 255 mm |
| | 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 μ S/cm calibration solution, 230 mL bottle
- MA9061 1413 μ S/cm calibration solution, 230 mL bottle
- MA9063 84 μ S/cm calibration solution, 230 mL bottle
- MA9064 80000 μ 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 μ 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