

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 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 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)
Resolution	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
Accuracy	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)
Calibration	Salinity	±1% of reading
	Temp	±0.5 °C, ±0.9 °F
Temp. Compensation	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
	Salinity	one-point offset: 0.00 µS/cm
Temp. Coefficient	Probe	one-point with MA9066 Salinity calibration solution
	TDS Factor	2 points, 0 to 50 °C / 32 to 122 °F
Log	Log	ATC – automatic, from -5 to 100 °C (23 to 212 °F)
	PC connectivity	MTC – manual, from -5 to 100 °C (23 to 212 °F)
Power supply	Environment	No TC – without temperature compensation
	Battery life	0.00 to 4.00 % rVC (EC & TDS only) Default value: 1.90 % / °C
Packaging dimensions	Packaging weight	MA814DB/1 4-ring probe with built-in temperature sensor (included)
		0.40 to 0.60 Default value: 0.50
Packaging weight		Maximum 1000 records; On demand, max. 200 samples; On stability, max. 200 samples
		Interval logging, max. 1000 samples (max. 100 lots)
Packaging weight		1 micro USB port
		0 to 50 °C; max RH 95%
Packaging weight		12 VDC adapter (included)
		8 hours
Packaging weight		335 x 120 x 255 mm
		2.15 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 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
- **MA9064** 80000 µS/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 µS/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