

MW180 MAX is a compact and versatile bench meter with a user-friendly interface that can measure six different parameters - pH, ORP, EC, TDS (Total Dissolved Solids), percentage of salinity (NaCl%) and temperature - when paired with the respective probe.

MW180 MAX

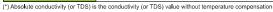
pH calibration can be performed in up to 5-point (selectable between 7 standard calibration buffers and two custom buffers), to improve measurement reliability even when testing samples with wide differences in pH.

The auto-ranging feature for both EC and TDS measurements automatically sets the most suitable resolution for the tested sample. All measurements can be automatically (ATC) or manually temperature compensated (MTC) with a user-selectable compensation coefficient. The temperature compensation can be disabled if the actual conductivity value is required (No

MW180 MAX has GLP data review and the data can be transfered to a PC through a USB port.

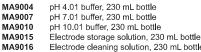
A unique device identity code protects against the risks of loss and misuse.

Specifications	MW180 MAX
Range pH	-2.00 to 20.00 pH; -2.000 to 20.000 pH
ORP	±2000 mV
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 cond.*)
TDS	0.0 to 14.99 mg/L (ppm); 15.0 to 149.9 mg/L (ppm); 150 to 1499 mg/L (ppm);
	1.50 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 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 pH	0.01 pH; 0.002 pH
ORP	0.1 mV
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; 1.0 mg/L; 0.01 g/L; 0.1 g/L
Sa l inity	0.1% NaCl, 0.01 PSU, 0.01 g/L
Temp	0.1°C / 0.1°F
Accuracy pH	±0.01 pH; ±0.002 pH
ORP	±1 mV
EC TDS	±1% of reading ±(0.05 μS/cm or 1 digit)
	±1% of reading ±(0.03 ppm or 1 digit)
Sa l inity Temp	±1% reading ±0.5°C / ±0.9°F
Temperature Compensation	ATC – automatic, from -20 to 120 °C (-4 to 248 °F)
remperature Compensation	MTC – manual, from -20 to 120 °C (-4 to 248 °F)
	NO TC – without temperature compensation
Temperature Coefficient	0.00 to 6.00%/°C (EC and TDS only)
TDS Factor	0.40 to 0.80 (default value is 0.50)
Logging memory	Two independent storage spaces. Each save location can contain max. 1000 log
Logging memory	records (stored in up to 100 lots).
	On demand, 200 logs; on stability, 200 logs; interval logging, 1000 logs
pH Electrode	MA917B/1 (included)
EC/TDS/NaCI/Temp. Probe	MA814DB/1 (included)
Temperature probe	MA831R
PC connectivity	1 USB port, 1 micro USB port
Power supply	12 VDC adapter (included)
Battery type	internal
Battery life	8 hours
Environment	0 to 50°C; max RH 95%
Packaging dimensions	335 x 120 x 255 mm
Packaging weight	2.44 kg



MA9061 MA9063 MA9065

Accessories



Electrode cleaning solution, 230 mL bottle MA9112 pH 12.45 buffer solution, 230 mL bottle MA9060 12880 uS/cm calibration solution.

230 ml bottle 1413 µS/cm calibration solution,

230 mL bottle

84 µS/cm calibration solution,

230 mL bottle 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 MA9310 12 VDC Adapter, 220 V

MA9311 12 VDC Adapter, 110 V

MA9315 Electrode Holder MA917B/1 Double junction refillable pH electrode

MA814DB/1 EC/TDS/NaCl/Temperature probe with DIN connector and 1 m cable

MA924B/1 ±2000 mV Glass ORP electrode,

refillable with BNC connector and

1 meter cable

SE300 Platinum ORP electrode with 1 meter cable

MA831R Temperature probe

MA9350 RS232 connection cable with 2 meters cable

Ordering Information

MW180 MAX is supplied complete with

- MA917B/1 pH Electrode
- MA814DB/1 EC/TDS/NaCI/Temperature probe
- MA831R Temperature Probe
- M10004 pH 4.01 Sachet Buffer solution
- M10007 pH 7.01 Sachet Buffer solution
- M10010 pH 10.01 Sachet Buffer solution
- M10031 1413 µS/cm calibration solution
- M10016 Sachet Electrode Cleaning solution
- MA9315 Electrode Holder
- · Graduated pipette
- 12 VDC adapter
- USB cable
- · Instrument quality certificate
- Instruction manual

