

New

Mi306

Automatic & Logging EC/TDS/NaCl Temp Meter

Mi306 is a waterproof portable logging microprocessor-based Conductivity/TDS/NaCl/temperature meter.

The autoranging feature of the EC and TDS ranges automatically sets the meter to the scale with the highest possible resolution.

The Auto Endpoint (HOLD) feature automatically freezes the display when a stable reading is reached. The measurements are automatically (ATC) or manually (MTC) compensated for temperature.

The temperature coefficient value is user selectable. It is possible to disable the temperature compensation and measure the actual conductivity (NoTC).

The Battery Error Preventing System (BEPS) switches the meter off when the batteries are too weak to support proper function. The meter can store measurements in memory by logging function for retrieval at a later time upon user request.

Mi306 also allows data transfer to computer through the RS232 port. Double LCD displays, for simultaneous readings of the specific conductivity and temperature.

Years
warranty
2

LOG

RS232

ATC

MTC

Software
CDSelf
diagnostics

CE

Specifications	Mi306
Range	(Autoranging) EC 0.00 to 29.99 $\mu\text{S/cm}$; 30.0 to 299.9 $\mu\text{S/cm}$; 300 to 2999 $\mu\text{S/cm}$; (Autoranging) 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; NaCl 0.0 to 400.0 % Temp 0.0 to 60.0 °C
Resolution	EC 0.01 $\mu\text{S/cm}$ (from 0.00 to 29.99 $\mu\text{S/cm}$); 0.1 $\mu\text{S/cm}$ (from 30.0 to 299.9 $\mu\text{S/cm}$); 1 $\mu\text{S/cm}$ (from 300 to 2999 $\mu\text{S/cm}$); 0.01 mS/cm (from 3.00 to 29.99 mS/cm); TDS 0.01 mg/L (from 0.00 to 14.99 mg/L); 0.1 mg/L (from 15.0 to 149.9 mg/L); NaCl 0.1 % Temp 0.1 °C
Accuracy	EC $\pm 1\%$ of reading ($\pm 0.05 \mu\text{S/cm}$ or 1 digit whichever greater) TDS $\pm 1\%$ of reading ($\pm 0.053 \text{ ppm}$ or 1 digit whichever greater) NaCl $\pm 1\%$ of reading Temp $\pm 0.4^\circ\text{C}$
Typical EMC Deviation	EC $\pm 1\%$ of reading TDS $\pm 1\%$ of reading NaCl $\pm 1\%$ of reading Temp $\pm 0.1^\circ\text{C}$
Logging	up to 250 records, LOG on demand or auto-logging
Communication	with PC through RS232 port
EC Calibration	1 point with 7 memorized buffers: 84 $\mu\text{S/cm}$, 1413 $\mu\text{S/cm}$, 5000 $\mu\text{S/cm}$, 80000 $\mu\text{S/cm}$, 111800 $\mu\text{S/cm}$
NaCl Calibration	1 point with MA9066 buffer (optional)
Temperature Compensation	automatic or manual from 0 to 60 °C (can be disabled to measure actual conductivity and TDS)
Temperature Coefficient	0.00 to 6.00 %/°C (for EC and TDS only) Default value is 1.90%/°C
TDS Factor	0.40 to 0.80 (default value is 0.50) reference Temperature: 20 or 25 °C
Probe	MA814D/1 EC probe with built-in temperature sensor & 1 m cable (included)
Auto-off	after 5 minutes of non use (can be disabled)
Battery Type / Battery Life	1 x 9V Battery (included) / approx. 100 hours of use
Casing	IP 67
Environment	0 to 50 °C / 32 to 122 °F; max RH 100%
Dimensions	200 x 85 x 50 mm
Weight	280 g

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

Accessories

- MA814D/1 4-ring EC probe with DIN connector and 1 m cable
- M10030B 12880 $\mu\text{S/cm}$ calibration solution, 20 mL sachet, 25 pcs.
- M10031B 1413 $\mu\text{S/cm}$ calibration solution, 20 mL sachet, 25 pcs.
- M10033B 84 $\mu\text{S/cm}$ calibration solution, 20 mL sachet, 25 pcs.
- M10035B 111.8 mS/cm calibration solution, 20 mL sachet, 25 pcs.
- MA9060 12880 $\mu\text{S/cm}$ calibration solution, 230 mL bottle
- MA9061 1413 $\mu\text{S/cm}$ calibration solution, 230 mL bottle
- MA9063 84 $\mu\text{S/cm}$ 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 $\mu\text{S/cm}$ solution, 230 mL bottle
- MA9351 RS232 connection cable (5 to 9 pin) with 2 meters cable (for Mi306)
- Mi5200 Application Software

Ordering Information

- Mi306 is supplied in a hard carrying case complete with
- MA814D/1 EC/TDS/Temp probe with DIN connector and 1 meter cable
 - MA9060 12880 $\mu\text{S/cm}$ calibration solution
 - Mi5200 Application Software
 - MA9351 RS232 connection cable with 2 meters cable
 - Instruction manual