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.

Specifications

Specifications	Mi306
Range (Autoranging) 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 actual(*) EC
(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; 15.0 to 100.0 g/L; up to 400.0 g/L actual(*) TDS (with 0.80 factor)
NaCl	0.0 to 400.0 %
Temp	0.0 to 60.0°C
Resolution EC	0.01 μS/cm (from 0.00 to 29.99 μS/cm); 0.1 μS/cm (from 30.0 to 299.9 μS/cm); 1 μS/cm (from 300 to 2999 μS/cm); 0.01 mS/cm (from 3.00 to 29.99 mS/cm); 0.1 mS/cm (over 30.0 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); 1 mg/L (from 150 to 1499 mg/L); 0.01 g/L (from 1.50 to 14.99 g/L); 0.1 g/L (over 15.0 g/L)
NaCl	0.1 %
Temp	0.1°C
Accuracy EC	±1% of reading (±0.05 μS/cm or 1 digit whichever greater)
TDS	±1% of reading (±0.053 ppm or 1 digit whichever greater)
NaCl	±1% of reading
Temp	±0.4°C
Typical EMC EC	±1% of reading
Deviation TDS	±1% of reading
NaCl	±1% of reading
Temp	±0.1°C
Logging	up to 250 records, LOG on demand
Communication	with PC through RS232 port
EC Calibration	1 point with 7 memorized buffers: 0 μS/cm, 84 μS/cm, 1413 μS/cm, 5000 μS/cm, 12880 μS/cm, 80000 μS/cm, 111800 μS/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 μS/cm calibration solution, 20 mL sachet, 25 pcs.
M10031B	1413 μS/cm calibration solution, 20 mL sachet, 25 pcs.
M10035B	111.8 mS/cm calibration solution, 20 mL sachet, 25 pcs.
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
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
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/Nacl/Temp probe with DIN connector and 1 meter cable
- **MA9060** 12880 μS/cm calibration solution
- **Mi5200** Application Software
- **MA9351** RS232 connection cable with 2 meters cable
- Instruction manual

Milwaukee