



Mi805/Mi806

Portable pH/EC/TDS/Temperature Meters

Measures 4 parameters with 1 single probe. Mi805 and Mi806 offer you a combination of pH, Conductivity, total dissolved solids and temperature measurements.

You can select from a range of calibration buffers and also the temperature scale (°C or °F) can be selected. The multi-parameter probe MA851D/1, includes pH/EC/TDS and temperature, all in one rugged handle.

Other features include different TDS factors from 0.45 to 1.00, and a range of temperature coefficients (β) from 0.0 to 2.4% for greater consistency and reproducibility. The Stability Indicator prompts the user when the reading stabilizes.

The Auto-Hold Function automatically freezes reading for later viewing. Large and Easy-to-Read display provides simultaneous readings of pH and Temperature or EC/TDS and temperature.



Specifications

		Mi805	Mi806
Range	pH EC TDS Temp	0.00 to 14.00 pH 0 to 3999 $\mu\text{S}/\text{cm}$ 0 to 1999 ppm 0.0 to 60.0°C / 32.0 to 140.0°F	0.00 to 14.00 pH 0.00 to 20.00 mS/cm 0.00 to 10.00 ppt 0.0 to 60.0°C / 32.0 to 140.0°F
Resolution	pH EC TDS Temp	0.01 pH 1 $\mu\text{S}/\text{cm}$ 1 ppm 0.1°C / 0.1°F	0.01 pH 0.1 mS/cm 0.01 ppt 0.1°C / 0.1°F
Accuracy (@25°C)	pH EC/TDS Temp	±0.01pH ±2% Full Scale ±0.5°C / ±1°F	±0.01 pH ±2% Full Scale ±0.5°C / ±1°F
Typical EMC Deviation	pH EC/TDS Temp	±0.02 pH ±2% Full Scale ±0.5°C / ±1°F	±0.02 pH ±2% Full Scale ±0.5°C / ±1°F
Temperature Compensation		automatic from 0 to 60°C; with β adj. from 0.0 to 2.4%/°C	automatic from 0 to 60°C; with β adj. from 0.0 to 2.4%/°C
pH Calibration		automatic, 1 or 2-point with automatic buffer recognition	automatic, 1 or 2-point with automatic buffer recognition
EC Calibration		automatic, 1 point	automatic, 1 point
EC/TDS Conversion Factor		adj. from 0.45 to 1.00	adj. from 0.45 to 1.00
Probe		MA851D/1 amplified pH/EC/TDS/Temperature probe with DIN connector and 1 m cable (included)	MA851D/1 amplified pH/EC/TDS/Temperature probe with DIN connector and 1 m cable (included)
Environment		0 to 50°C / 32 to 122°F; max. RH 100%	0 to 50°C / 32 to 122°F; max. RH 100%
Battery Type		1 x 9V alkaline (included)	1 x 9V alkaline (included)
Battery Life		approx. 300 hours	approx. 300 hours
Auto-off		after 8 minutes of non-use	after 8 minutes of non-use
Dimensions		200 x 85 x 50 mm	200 x 85 x 50 mm
Weight		260 g (with battery)	260 g (with battery)

Accessories

MA851D/1	Amplified pH/EC/TDS/Temperature probe with DIN connector and 1 m cable
MA9004	pH 4.01 buffer solution, 230 mL bottle
MA9006	pH 6.86 buffer solution, 230 mL bottle
MA9007	pH 7.01 buffer solution, 230 mL bottle
MA9009	pH 9.18 buffer solution, 230 mL bottle
MA9010	pH 10.01 buffer solution, 230 mL bottle
MA9015	Probe storage solution, 230 mL
MA9016	General cleaning solution, 230 mL
MA9060	12880 $\mu\text{S}/\text{cm}$ solution, 230 mL
MA9061	1413 $\mu\text{S}/\text{cm}$ solution, 230 mL
M10000B	Rinse solution, 20 mL (25 pcs.)

Ordering Information

Mi805 is supplied complete with MA851D/1 pH/EC/TDS/Temp amplified probe with 1 meter cable, 2x20 mL pH 4.01 and pH 7.01 sachets of calibration solution, 2x20 mL 1413 $\mu\text{S}/\text{cm}$ sachets of calibration solutions, 2x20 mL sachet of electrode cleaning solutions, rugged carrying case, 9V battery and instructions.

Mi806 is supplied complete with MA851D/1 pH/EC/TDS/Temp amplified probe with 1 meter cable, 2x20 mL pH 4.01 and pH 7.01 sachets of calibration solution, 2x20 mL 12880 $\mu\text{S}/\text{cm}$ sachets of calibration solutions, 2x20 mL sachet of electrode cleaning solutions, rugged carrying case, 9V battery and instructions.