

SPECIFICATIONS

- pH Range: -2.00 to 20.00 pH
- EC Range: 0 to 4000 $\mu\text{S/cm}$
- TDS Range: 0 to 2000 ppm (mg/L) | up to 3200 ppm (mg/L) with TDS 0.80 factor
- Temperature Range: -20.0 to 120.0°C / -4.0 to 248°F
- pH Resolution: 0.01 pH
- EC Resolution: 1 $\mu\text{S/cm}$
- TDS Resolution: 1 ppm (mg/L)
- Temperature Resolution: 0.1°C / 0.1°F
- pH Accuracy: ± 0.01
- EC/TDS Accuracy: $\pm 2\%$ Full Scale
- Temperature accuracy: $\pm 0.5^\circ\text{C}$ / $\pm 0.9^\circ\text{F}$
- Calibration pH: Automatic up to 5 - point pH, 7 Standard Calibration Buffers: pH1.68; 4.01; 6.86; 7.01; 9.18, 10.01; 12.45 and 2 Custom Buffers
- Calibration EC/TDS: Single Cell Factor Calibration; 2 Standards: 84 $\mu\text{S/cm}$; 1413 $\mu\text{S/cm}$ / One-point Offset: 0.00 $\mu\text{S/cm}$
- Temperature Calibration: Factory Calibrated
- Temperature Compensation: Automatic (ATC) from -20 to 120°C (-4 to 248°F) | Manual (MTC) from -20 to 120°C (-4 to 248°F)
- Conductivity temperature coefficient: 0.00 to 6.00 % /°C (EC & TDS only) | Default value: 1.9 %/°C
- TDS Factor: 0.40 to 0.80; default value: 0.50
- Logging Memory: Up to 1,000 log records (stored in up to 100 lots) | On demand, up to 200 logs | on Stability, up to 200 logs | Interval logging, up to 1,000 logs | Parameter-Specific log storage location
- PC connectivity: 1 micro USB port
- Battery Type: 3 X 1.5V Alkaline AA batteries (included) | Approximately 200 hours of use
- Environment: 0 to 50°C / 32 to 122°F; max RH 95%
- Dimensions Meter: 7.9 x 3.3 x 2 inches (200 x 85 x 50 mm)
- Auto-off: After 10 minutes of non-use
- Casing: IP67 protection level
- Weight Meter: 260 g (0.57 lb)
- Dimensions Packaging: 12 x 11 x 4.5 inches (305 x 280 x 115 mm)
- Weight Packaged: 3.2 lbs. (1.44 kg)
- Probe Specifications: MA852D/1 Amplified pH/EC/TDS/Temp Probe (included)
- Range: pH 0 to 13 | Temperature 0.0 to 60.0°C (32.0 to 140.0°F)
- EC electrodes: 2 X graphite
- Reference: Single, Ag/AgCl
- Junction: Cloth
- Electrolyte (pH): Gel
- Body: ABS
- Connection: DIN
- Cable: 1 m (3.3')