



ProQuatro

PORTABLE MULTIPARAMETER WATER QUALITY METER

SPECIFICATIONS
XA00088-02



a xylem brand

ProQuatro

TOUGHER. SMARTER. MORE VERSATILE.

The **ProQuatro** handheld multiparameter meter measures a variety of combinations of dissolved oxygen, conductivity, specific conductance, salinity, resistivity, total dissolved solids (TDS), pH, ORP, pH/ORP combination, ammonium (ammonia), nitrate, chloride and temperature.

In addition to its impact-resistant, waterproof case, the ProQuatro has features that make field sampling faster and easier:



User-replaceable cables and sensors



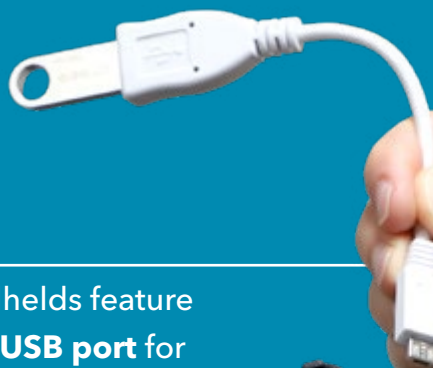
Real-time salinity compensation of DO measurements



Quick response times



ProQuatro handhelds feature a built-in **micro USB port** for simplified access to your data in the field or the lab.



ProQuatro PORTABLE MULTIPARAMETER WATER QUALITY METER

| ProQuatro Meter Specifications | |
|--|--|
| Size | 8.3 cm width x 21.6 cm length x 2.3 cm depth (3.25 in. x 8.5 in. x 2.25 in.) |
| Weight with Batteries | 475 grams (1.05 lbs.) |
| Power | 2 alkaline C-cells provide 80 continuous hours at ambient temperature without backlight; USB power or optional wall power can be supplied via micro USB port |
| USB Port | Built-in micro USB port for on-the-go data exports via direct connection to the included USB stick; user-upgradeable firmware via USB and website |
| Operating Temperature | -10 to 60 °C |
| Storage Temperature | -20 to 70 °C |
| Display | Backlit, graphic display |
| Memory | 5000 datasets; 50 unique data identifiers |
| Logging Modes | Single point or continuous with auto stable feature |
| Field Cables | Standard lengths of 1, 4, 10, 20 or 30 meters with single port, dual port or Quatro cables |
| Lab Cables | BOD sensor includes 2-meter cable; 1 or 4 meters on lab pH, ORP and pH/ORP cables |
| Barometer | Range: 375 to 825 mmHg; Accuracy: ±1.5 mmHg from 0 to 50 °C; Resolution: 0.1 mmHg |
| DO Membrane Response Times (T95; 100%-0) and Flow Dependence | 1.25 mil PE = 8 seconds and 6 in/sec flow 2.0 mil PE = 17 seconds and 3 in/sec flow 1 mil Teflon® = 18 seconds and 12 in/sec flow |
| Warranty | 3-year instrument; 2-year cable |
| Waterproof | IP-67 (even with battery cover off); floats |
| Languages | English, Chinese (Simplified & Traditional), French, German, Italian, Japanese, Norwegian, Portuguese, Spanish |
| Certifications | RoHS, CE, FCC |
| Country of Origin | Assembled in the USA |



Customize your multiparameter sampling with the **Quatro cable and four water quality sensors.**



ProQuatro PORTABLE MULTIPARAMETER WATER QUALITY METER

| ProQuatro System Specifications | | | | |
|--|---|--|---|--|
| Sensor / Parameter | Range | Resolution | Accuracy | Calibration |
| Temperature (Thermistor) Units: °C, °F, K | Field Cables: -5 to 70 °C Lab Cables: 0 to 40 °C | Field Cables: 0.1 °C Lab Cables: 0.1 °C | Field Cables: ±0.2 °C; ±0.3 °C cables over 45 m Lab Cables: ±0.35 °C | |
| pH (Glass Combination Electrode) Units: mV, pH units | 0 to 14 units | 0.01 units | ±0.2 units | 1, 2, or 3 point (user selectable); US, NIST or Custom Buffers |
| ORP (Platinum Button) Units: mV | -1999 to 1999 mV | 0.1 mV | ±20 mV in redox standards | 1 point |
| Dissolved Oxygen (Polarographic or Galvanic) Units: % Saturation temp comp range -5 to 50 °C | 0 to 500% | 0.1% or 1% air saturation (user selectable) | 0 to 200%: ±2% of reading or 2% air saturation, w.i.g. 200 to 500%: ±6% of reading | 1 or 2 point with zero |
| Units: mg/L, ppm temp comp range -5 to 50 °C | 0 to 50 mg/L | 0.1% air saturation | 0 to 20 mg/L: ±2% of reading or 0.2 mg/L, w.i.g. 20 to 50 mg/L: ±6% of reading 0.1% or 0.01 mg/L (user selectable) | |
| Conductivity / Specific Conductance (Four Electrode Cell) Units: µS, mS | 0 to 200 mS/cm (auto-range) | 1 m, 4 m cables: Range dependent 20 m cable: 0 to 0.500 mS/cm: 0.001 0.501 to 50.00 mS/cm: 0.01 50.01 to 200 mS/cm: 0.1 | 1 m, 4 m cables: ±0.5% of reading or 0.001 mS/cm, w.i.g. 20 m cable: ±1% of reading or 0.001 mS/cm, w.i.g. | 1 point |
| Salinity (Calculated) Units: ppt, PSU | 0 to 70 ppt | 0.01 ppt | ±1.0% of reading or ±0.1 ppt, w.i.g. | 1 point |
| Total Dissolved Solids (TDS) (Calculated) Units: mg/L, kg/L, g/L | 0 to 100 g/L; TDS constant range 0.3 to 1.0 (0.65 default) | 0.001, 0.01, .01 g/L | No stated accuracy spec | |
| Resistivity (Calculated) Units: ohm-cm, kohm-cm, Mohm-cm | 0 to 2 Mohms | 0.001, 0.01, 0.1 ohms | ±0.1% Full Scale | |
| Ammonium* (Ion Selective Electrode) Units: mg/L-N, mV | 0 to 200 mg/L-N 0 to 30 °C | 0.01 mg/L | ±10% of reading or 2 mg/L-N, w.i.g. | 1, 2, or 3 point (user selectable) |
| Chloride* (Ion Selective Electrode) Units: mg/L-Cl-, mV | 0 to 1000 mg/L 0 to 40 °C | 0.01 mg/L | ±15% of reading or 5 mg/L, w.i.g. | 1, 2, or 3 point (user selectable) |
| Nitrate* (Ion Selective Electrode) Units: mg/L-N, mV | 0 to 200 mg/L-N 0 to 30 °C | 0.01 mg/L | ±10% of reading or 2 mg/L-N, w.i.g. | 1, 2, or 3 point (user selectable) |

*ISE sensors for freshwater only; 17-meter maximum depth

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