

Ribble Enviro
...everything gas detection

Data Sheet

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xylem

Environmental
Monitoring



YSI ProQuatro

Handheld multiparameter meter



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ProQuatro

The **YSI ProQuatro** is a rugged, user-friendly instrument for measuring temperature, conductivity, galvanic or polarographic dissolved oxygen, and two Ion-Selective Electrodes (ISEs), including pH, ORP, ammonium, chloride, or nitrate. The 4-port Quatro cable combines four analog sensors on a single cable assembly.

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



User-replaceable cables and sensors



Single-point or continuous logging modes



Self-stirring BOD probe option for laboratory use



5,000 data set memory



Quatro cable

Combine 4 sensors on a single cable for comprehensive multiparameter sampling to measure DO temperature/conductivity, and any two ISEs (pH, ORP, ammonium, chloride, or nitrate).

ProQuatro handheld specifications

Size (W x L x D)	8.3 cm x 21.6 cm x 5.7 cm (3.25 in x 8.5 in x 2.25 in)
Weight (with batteries)	475 grams (1.05 lbs)
Power	2 alkaline C-cell batteries providing 80 hours of battery life (without backlight)
Operating temperature	-10 to 60 °C
Storage temperature	-20 to 70 °C
Field cables	1-, 4-, 10-, 20-, and 30-meter lengths with single port, dual port, or Quatro cables
Lab cables	BOD sensor includes a 2-meter cable; 1- or 4-meter cable on Lab pH, ORP, and pH/ORP cables
Warranty	3-year instrument; 2-year cable
Data memory	5,000 data sets
Adjustable conductivity reference temperature	15 to 25 °C
Adjustable temperature compensation factor for specific conductance	0 to 4%
Languages	English, Chinese, French, German, Italian, Japanese, Norwegian, Portuguese, Spanish
Certifications	RoHS, CE, FCC, WEEE IP-67, 1-meter drop test, Assembled in USA



ProQuatro sensor specifications (Instrument, sensor, and cable)

	Range	Resolution	Accuracy	User calibration
Temperature (°C, °F, K)	Field Cables: -5 to 70 °C Lab Cables: 0 to 40 °C	0.1 °C	Field Cables: ±0.3 °C Lab Cables: ±0.35 °C	
Dissolved Oxygen (mg/L, ppm, % air saturation)	0 to 50 mg/L; 0 to 500% air saturation	User-selectable to 0.1 or 0.01 mg/L, 0.1% or 1% air saturation	0 to 20 mg/L: ±2% of reading or 0.2 mg/L, whichever is greater 20 to 50 mg/L: ±6% of reading 0 to 200%: ±2% of reading or 2% air saturation, whichever is greater 200 to 500%: ±6% of reading	1- or 2-point with zero
pH	0 to 14 pH units	0.01 units	±0.1 units	1-, 2-, or 3-point (user-selectable)
ORP	-1999 to 1999 mV	0.1 mV	±20 mV	1-point
Ammonium (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, whichever is greater	1-, 2-, or 3-point (user-selectable)
Chloride (mg/L-Cl, mV)	0 to 1000 mg/L-Cl, 0 to 40 °C	0.01 mg/L	±15% of reading or 5 mg/L-Cl, whichever is greater	1-, 2-, or 3-point (user-selectable)
Nitrate (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, whichever is greater	1-, 2-, or 3-point (user-selectable)
Conductivity/ Specific Conductance (mS, µS)	0 to 200 mS/cm (auto-ranging)	1- or 4-m cable: range-dependent 20- or 30-m cable: 0 to 0.5 mS/cm: 0.001 0.501 to 50.0 mS/cm: 0.01 50.01 to 200 mS/cm: 0.1	1- or 4-m cable: ±0.5% of the reading or 0.001 mS/cm, whichever is greater 20- or 30-m cable: ±1.0% of the reading or 0.001 mS/cm, whichever is greater	1-point
Salinity (ppt, PSU)	0 to 70 ppt	0.1 ppt	±1.0% of the reading of 0.1 ppt, whichever is greater	1-point
Resistivity (Ω*cm, kΩ*cm, MΩ*cm)	0 to 2 MΩ	0.001, 0.01, 0.1 Ω*cm	±0.1% full scale	
Total dissolved solids (TDS) (mg/L, kg/L, g/L)	0 to 100 g/L, Cal constant range 0.30 to 1.00 (0.65 default)	0.001, 0.01, 0.1 g/L	Not specified	
Barometer (mmHg, inHg, mbar, psi, kPa, ATM)	375 to 825 mmHg	0.1 mmHg	±1.5 mmHg from 0 to 50 °C	1-point



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Let's Solve Water