

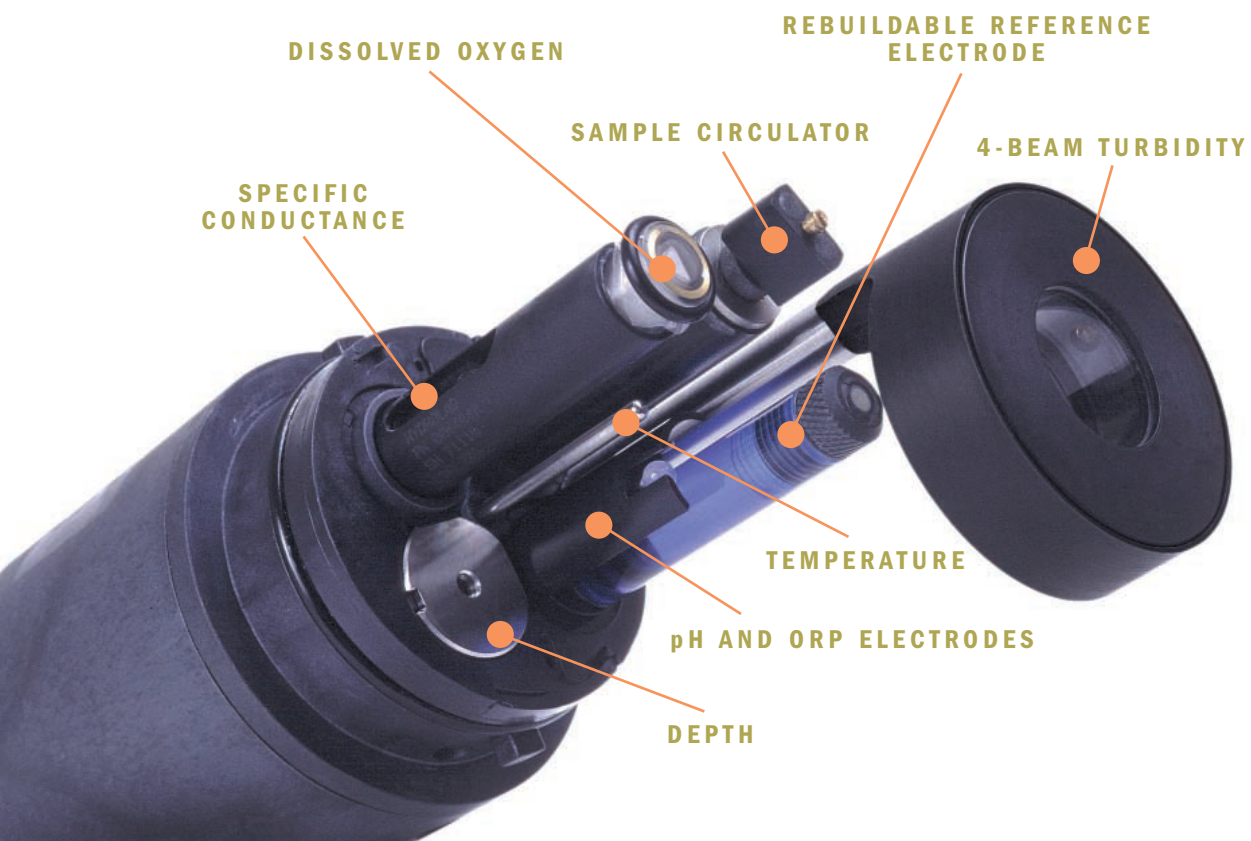
Quanta[®] COMPONENTS

A Quanta system is composed of three components — the Quanta transmitter, which houses the sensors, the Quanta display, which supplies power and shows the data, and a connecting cable. Each component is covered by a three-year warranty. At the heart of the Quanta is Hydrolab's superior sensor technology. These sensors have been rigorously field-tested and are proven to deliver reliable water quality data.

TEMPERATURE – Hydrolab uses a high stability thermistor in a 316 stainless steel tube. ■ Never needs calibration.

DISSOLVED OXYGEN – Hydrolab uses the field-proven Clark Cell technology. ■ Provides a continuous steady-state reading. ■ Is low maintenance — easily and affordably cleaned and maintained. No need to recondition sensor.

SUPERIOR SENSOR TECHNOLOGY



pH – Hydrolab uses a standard pH glass sensor and unique rebuildable reference electrode. ■ Our reference electrode is more reliable, lasts longer, is easier to maintain, and refills in seconds. ■ No need to replace the sensor.

ORP – Hydrolab uses the standard platinum electrode.

SPECIFIC CONDUCTANCE – Hydrolab uses the standard four electrode cell methodology. ■ Open cell design is easy to maintain and provides more reliable data — air bubbles and sediment do not affect sensor.

DEPTH – Hydrolab uses a custom-made high stability pressure sensor. ■ Two ranges are available — 0-25 meters and 0-100 meters.

VENTED LEVEL – The Quanta is available with 0.003 meter (0.01 foot) accuracy over the range of 0-10 meters. This accuracy is valid for the full temperature range, not just at 25°C. ■ The vent provides automatic correction for changes in atmospheric pressure.

TURBIDITY – Only Hydrolab offers the 4-Beam turbidity sensor. ■ The 4-Beam turbidity sensor is fouling resistant and accurate. ■ Optional Quick-Cal Cube™ makes calibration verification a snap.

THE QUANTA DISPLAY



- ✓ Shows readings of five parameters at once
- ✓ Simple, intuitive operation
- ✓ Low battery indicator
- ✓ Stores 200 frames of data
- ✓ Easy calibration

ONLY HYDROLAB OFFERS A SAMPLE CIRCULATOR FOR MORE RELIABLE READINGS

The Quanta's integrated sample circulator creates a flow of water past the sensors. The miniature circulator facilitates fast, accurate, steady-state dissolved oxygen measurements, and provides other sensors these benefits:

- Reduces response time — important when detecting moving contaminant plumes, or when the sensors are moved up or down in a water column.
- Reduces the harmful effects of sensor fouling by sweeping away debris and discouraging biologically active foulants (bacteria, algae, fungi) from attaching to the sensors.
- With a sample circulator, the instrument can be used in all environments, no matter the flow. The instrument can be deployed in poorly mixed areas of a water body or in perforated steel or PVC pipes where there is very little flow.

(800) 949-3766

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PERFORMANCE SPECIFICATIONS

	Range	Accuracy	Resolution
Temperature	-5 °C to 50 °C	± 0.15 °C	0.01 °C
Dissolved Oxygen	0 to 50 mg/L	± 0.2 mg/L ≤ 20 mg/L ± 0.6 mg/L > 20 mg/L	0.01 mg/L
Specific Conductance	0 - 100 mS/cm (autoranged)	± 1% of reading ± 0.01 PSS	4 digits
pH	0 to 14 units	± 0.2 units	0.01 units
ORP	-999 to 999 mV	± 20 mV	1 mV
4-Beam Turbidity	0 to 1000 NTU	± 5% of reading ± 1 NTU	0.1 NTU (<100) 1 NTU (≥100)
Depth 0-25 m	0 to 25 m	± 0.1m	0.1 m
Depth 0-100 m	0 to 100 m	± 0.3 m	0.1 m
Vented Level 0-10 m	0 to 10 m	± 0.003 m	0.001 m
Salinity	0 to 70 PSS	± 1% of reading ± 0.01 PSS	0.01 PSS

INSTRUMENT SPECIFICATIONS

Quanta Transmitter

Diameter: 7.6 cm (3 in)

Length: 22.9 cm (9 in)

Weight: 1.3 kg (3 lbs)

Quanta Display

Screen Size: 8.9 cm (3.5 in diagonal)

Weight (with batteries): 0.95 kg (2.1 lbs)

Memory: 200 data frames (1 frame can store all parameter values)

NEMA 6 rated (waterproof)

Low battery indicator

Operating temperature: -5 °C to 50 °C

Batteries: 3 "C" size batteries

Battery life: 15 Hours



EASILY MONITOR YOUR LOCAL WATERSHED.

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