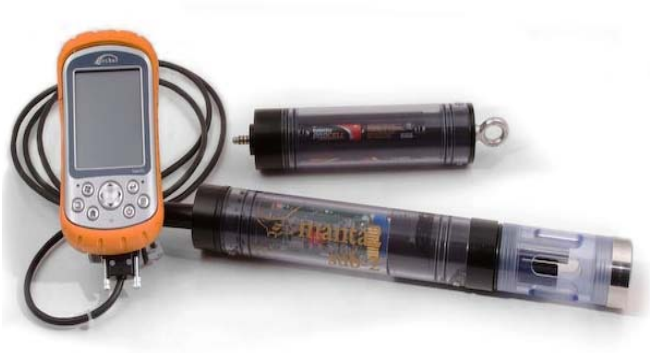
Eureka Sub2 Water-Quality Multiprobe

- **Highly reliable water-quality data for temperature, optical dissolved oxygen, conductivity, pH, depth or level, and ORP**
- **Learn the software in 10 minutes**
- **Industry-best customer service**
- **Use in lakes, rivers, estuaries, aquifers**
- **Manual mode, unattended logging mode, and/or real-time telemetry mode**



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DESCRIPTION & FEATURES

The Eureka Sub2 multiparameter water-quality multiprobe measures temperature, optical dissolved oxygen, conductivity, pH, depth or level, and ORP – all in one package that delivers data in the toughest field conditions. Our multiprobes are known worldwide for ease of use, reliable data, and economical operation.

The Sub2 delivers professional-grade data in fresh or salt natural waters to 200 meters deep. It's designed for ease of use with direct USB connection to your PC, automatically loading software, operating-status LED's, and a PDA-based field data display that uses the same software as your PC. With features like a refillable reference electrode and virtually unbreakable cables, the Sub2 has the lowest lifetime cost of any multiprobe on the market.

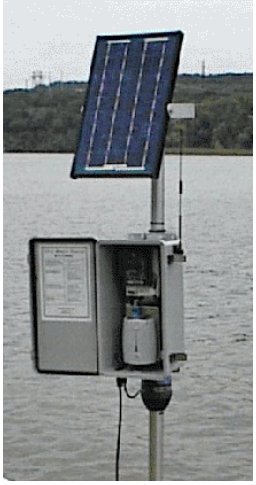
APPLICATIONS

Manual Surveying

Collect data all day at multiple sites; download it directly into MS Excel

Cell or Satellite Telemetry

Turn-key system, real-time data saves manpower costs



Process Control

Let the Sub2 monitor multiple process parameters 24/7

Unattended Logging

Collect data for weeks at a time to minimize manpower requirements and safety issues

Eureka Sub2 Water-Quality Multiprobe

SENSORS

- temperature
- optical dissolved oxygen (lifetime method)
- conductivity / salinity / TDS
- pH
- ORP
- depth or level / stage

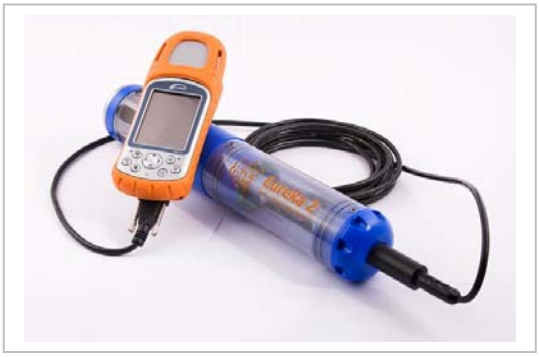
PERFORMANCE & PHYSICAL SPECIFICATIONS

Parameter Specifications	range	resolution	accuracy	comments
temperature	-5 to 50 deg C	0.01	±0.1	never needs calibration
optical dissolved oxygen	0 to 20 mg/l 20 to 50 mg/l	0.01	±0.2 ±10% of reading	compensated for temperature and salinity; choose from "intensity" (ODO) or "lifetime" (HDO) fluorescence methods
	0 to 200 % sat 200 to 500 % sat	0.1	±1% of reading ±0.1 % sat ±10% of reading	
specific conductance	0 to 10 mS/cm 10 to 100 mS/cm	0.001 0.01	±1% of reading ±0.001 mS/cm ±1% of reading	corrected for temperature; four easy-to-clean graphite electrodes; optional sensor provides ±0.5% of reading accuracy
	0 to 1000 µS/cm 1000 - 100,000 µS/cm	0.1 1	±1% of reading ±1 µS/cm ±1% of reading	
salinity **total dissolved solids (TDS)**	0 to 70 PSS 0 to 65 g/l	4 digits 4 digits	±1% of reading ±0.1 PSS ±5% of reading	
pH	0 to 14 units	0.01	±0.2	corrected for temperature
ORP	-999 to 999 mV	1	±20	refillable reference electrode
stage (vented level)	0 to 10 mS/cm	0.001	±0.003m (±0.03% of FS)	corrected for barometric pressure and salinity
depth	0 to 10 m 0 to 25 m 0 to 50 m 0 to 100 m 0 to 200 m	0.01 0.01 0.1 0.1 0.1	±0.02 (±0.2% of FS) ±0.05 (±0.2% of FS) ±0.1 (±0.2% of FS) ±0.2 (±0.2% of FS) ±0.4 (±0.2% of FS)	compensated for temperature and salinity; optional sensors provide higher accuracy

Multiprobes and External Battery Packs Dimensions	diameter, inches	length with weighted sensor guard, inches	length without weighted sensor guard, inches	weight with weighted sensor guard, pounds	weight without weighted sensor guard, pounds	weight in water with weighted sensor guard, pounds
Eureka Sub2	1.95	16	14	3	2	2
Model 20 and Sub2 External Battery Pack (2")	1.95	n/a	10	n/a	1	0.0

Eureka Sub2 Water-Quality Multiprobe

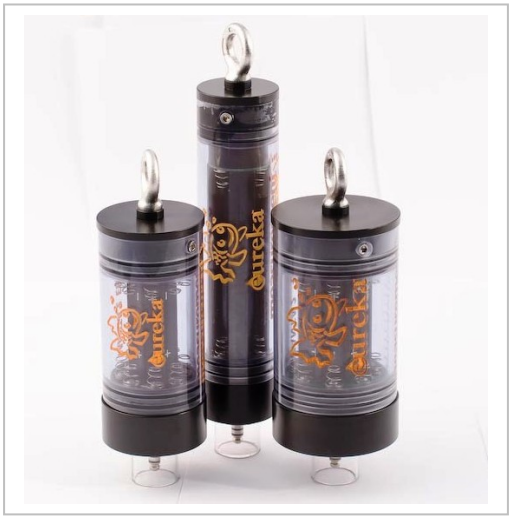
ACCESSORIES



- **underwater cables** – use underwater cables with your multiprobe when you are doing manual surveying or using telemetry; they are not necessary for unattended logging applications.

- **power options** – use a Y-cable when you have your own power supply (such as in telemetry systems) or use a Battery Box (rechargeable lithium-ion battery) with a data display or with cables longer than 50 meters; the Battery Box also comes with a Bluetooth option which allows operation of a data display without holding onto the cable at the same time.

- **SDI-12 and TTL adapters** – use the SDI-12 adapter to convert your multiprobe output from RS-232 to SDI-12; use the TTL adapter to make the multiprobe output compatible with third-party devices (such as some data loggers) that require TTL signal levels.



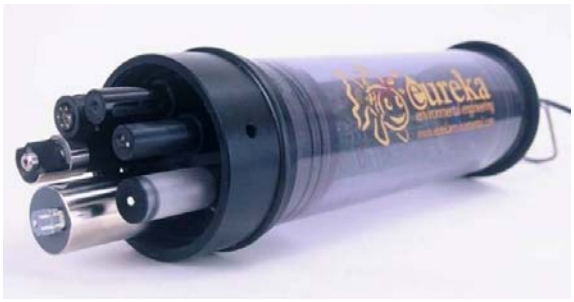
- **battery packs for logging** – order the Internal Battery Pack when you order a 3.5”, 4”, or 4.5” multiprobe if application is unattended logging, or order an External Battery Pack at any time for your 2”, 2.5”, 3”, Sub2, and Sub3 multiprobes if your application is unattended logging.

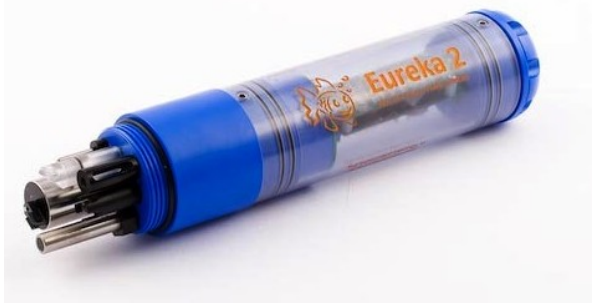
- **calibration solutions** – check out our supply of all the popular calibration solutions at good prices and delivery times.

Eureka Sub2 Water-Quality Multiprobe

RELATED PRODUCTS

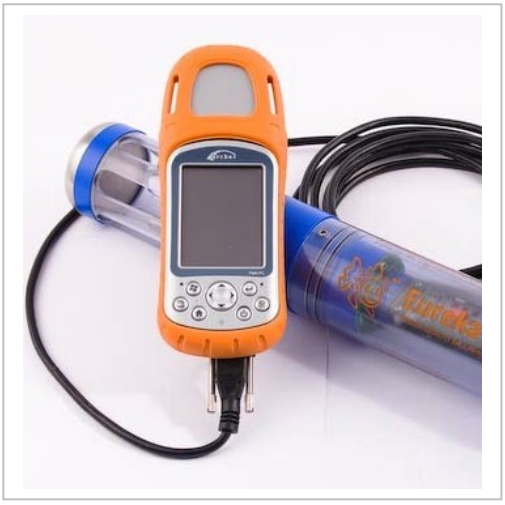
Eureka 2 water-quality multiprobe - the Eureka 2 provides your choice of up to 14 sensors from a selection of 22 sensors for the most extensive data requirements and most demanding field conditions.





Eureka Sub3 water-quality multiprobe - the Sub3 is an economical Eureka 2 multiprobe specially configured with temperature, optical dissolved oxygen, pH, conductivity/ salinity/ TDS, ORP, depth or level, and turbidity built into a housing less than 3” diameter.

Eureka DD2 data displays - the DD2 is a waterproofed PDA useful as a field data display for Eureka 2 multiprobes while retaining all the utility of a PDA; it uses the same user-interface software as the Eureka 2’s PC interface so you don’t have to learn two software structures.



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RELATED PRODUCTS

Eureka TS2 telemetry systems - the TS2 telemetry system installs in the field in minutes with no user programming; you can view data at any Internet connection. The TS2 uses your choice of cellular or satellite communications for high reliability at lowest cost.