

DO2 Dissolved Oxygen

SENSOR WITH DATA LOGGING



APPLICATIONS

- Dam Discharge Monitoring
- Aquaculture
- Leachate Monitoring (Landfill)
- Long-term surface water monitoring
- Monitoring remediation performance
- Municipal and Industrial Water Treatment Facilities

Features

- Measures and records dissolved oxygen and temperature internally
 - Modbus® RTU (RS485)
 - 260,000+ record non-volatile memory — no data loss in the event of a power failure
 - Wireless connectivity — radios and/or cellular
 - Programmable warm-up time
 - Free, easy-to-use software
- Fluorescence sensor technology
 - No membranes, fill solutions, or cartridges
 - No replacement caps required
 - Does not need water movement, flow, or frequent cleaning
 - Does not require frequent calibration
 - 1.66 inch diameter — fits easily in 2-inch wells

Contact Your Supplier

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GENERAL

Probe Diameter	1.66" (4.22 cm)
Tube Material	Acetal & 316 stainless steel or titanium
Probe Material	Epoxy, polyurethane, and PVC
Wire Seal Material	Fluoropolymer and PTFE
Submersible Cable	Polyurethane, polyethylene, or ETFE available
Terminating Connector	Available
Communication	RS485 Modbus® RTU
Direct Modbus Read Output	32-bit IEEE floating point
Internal Math	32-bit floating point
Operating Temp. Range	0° C to 55° C
Storage Temp. Range ¹	-40° C to 80° C

LOGGING

Memory	260,000+ records
Log Types	Variable, user-defined, logarithmic, profiled
Programmable Baud Rate	9600, 19200, 38400
Logging Rate	8x/sec maximum
Software	Complimentary Aqua4Plus and Aqua4Plus Lite
Networking	32 available addresses per junction w/ batching capabilities (up to 255)
File Formats	.csv / .a4d

SENSOR

Measuring Range	0–25 ppm
Accuracy	1% of reading or 0.02 ppm — whichever is greater
Sensitivity / Resolution	0.01 ppm below 4.00, 0.1 ppm above 4.0
Stability	0.01 ppm
Repeatability	0.01 ppm
Sensor Drift	Less than 1% per year
Temperature Range	0° C to 55° C
Response Time	95% in less than 60 seconds
Maximum Pressure	100 PSI

¹ Storage without batteries

POWER

External Power Pack Required 9–16 Vdc
 Seametrics Power Pack described below.
 Other power options available.
 Contact Seametrics for details.

SEAMETRICS POWER PACK

Enclosure Material	Polycarbonate (1P67)
Enclosure Dimensions	5.5" x 3.1" x 2.6" (14 x 7.9 x 6.6 cm) (excluding connectors)
Power Supply	12 Vdc (8 AA cells)
Connectors	1 communication port 1–3 sensor ports