

# INW DO2 Dissolved Oxygen

## SENSOR WITH DATA LOGGING

# Seametrics



## 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

**GENERAL**

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

**LOGGING**

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

**SENSOR**

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

<sup>1</sup> Storage without batteries

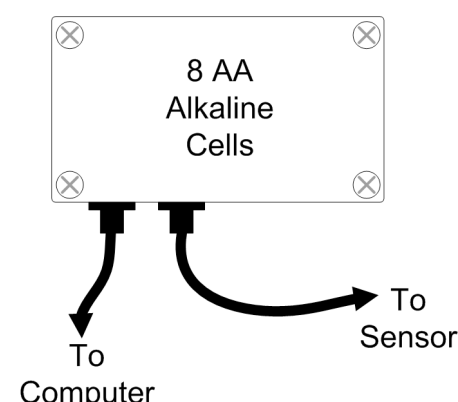
**POWER**

**External Power Pack Required** 9–16 Vdc

INW Power Pack described below.

Other power options available. Contact INW for details.

**INW POWER PACK**



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