LUMIN-S OPTICAL DISSOLVED OXYGEN PROBE

PRODUCT SPECIFICATION SHEET

Durable and Reliable

- SS316 body option for fresh water
- Titanium body option for salt water
- Optical technology allows for up to 2 years of use without the need for maintenance

Save Time On Set-up

- No calibration required
- Plug and play

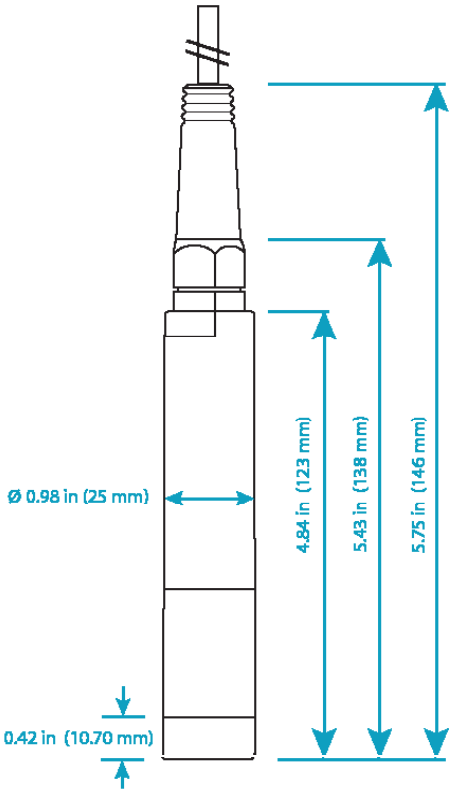
Digital Communication

- Open protocol Modbus RS485 Signal

SPECIFICATIONS

Measurement Principle	Optical measurement via luminescence
Measurement Ranges	0.00-20.00 mg/L 0.00-20.00 ppm 0-200%
Accuracy	± 0.1 mg/L ± 0.1 ppm ± 1%
Response Time	90% in less than 60 seconds
Measurement Interval	> 5s
Membrane Cap	Cross Sensitivity: Organic solvents (acetone, toluene, chloroform, methylene chloride); Chlorine gas No Cross Sensitivity: pH 1-14, H_2S, CO_2, SO_2
Temperature Compensation	10K NTC
Temperature Accuracy	0.5°C
Sample Temperature	0-50°C (32 to 122°F)
Max Pressure	5 bar (72.5 PSI)
Signal Output	Direct MODBUS RS-485
Power Supply	12 Volts (±10%)
Power Consumption	1 W
Dimensions	Diameter: 25 mm (0.98 in) x Length 146 mm (5.75 in)
Weight	450g (1lb) for sensor + 10m (33ft) cable
Material	316 Stainless Steel(ODO8000), Titanium (ODO9000)
Protection Rating	IP68

OUTLINE AND DIMENSIONS



ORDERING INFORMATION

Part Number	Description
Sensors	
ODO8000	Optical dissolved oxygen probe, 316 stainless steel body for fresh water use, direct MODBUS RS485 output, 10m(33ft) cable with tinned leads
ODO9000	Optical dissolved oxygen probe, titanium body for salt water use, direct MODBUS RS485 output, 10m(33ft) cable with tinned leads
Accessories	
ODOA80	Optical dissolved oxygen sensor replacement cap, stainless steel for ODO8000
ODOA90	Optical dissolved oxygen sensor replacement cap, Titanium for ODO8000
ODOA81	NPT 1" mounting fitting for submersion installations

SPECSODO8000-11222023

YOUR WATER MEASUREMENTS MATTER

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