LUMIN-S OPTICAL DO PROBE

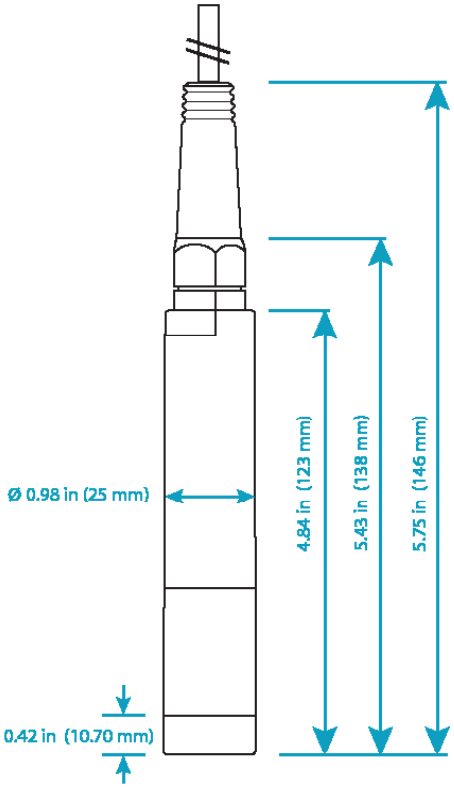
PRODUCT SPECIFICATION SHEET

- Optical technology allows up to 2 years before maintenance
- Plug and play: no calibration required
- Stable measurements in the field
- Direct open protocol MODBUS RS485 signal
- Submersion or inline installation
- SS316 body for fresh water and Titanium for salt water

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 + 3m (10ft) 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
ODO9000	Optical dissolved oxygen probe, titanium body for salt water use, direct MODBUS RS485 output
Accessories	
ODOA80	Optical dissolved oxygen sensor replacement cap
ODOA81	NPT 1" mounting fitting for submersion and inline installations

YOUR WATER MEASUREMENTS MATTER

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