

LUMIN-S OPTICAL DO 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

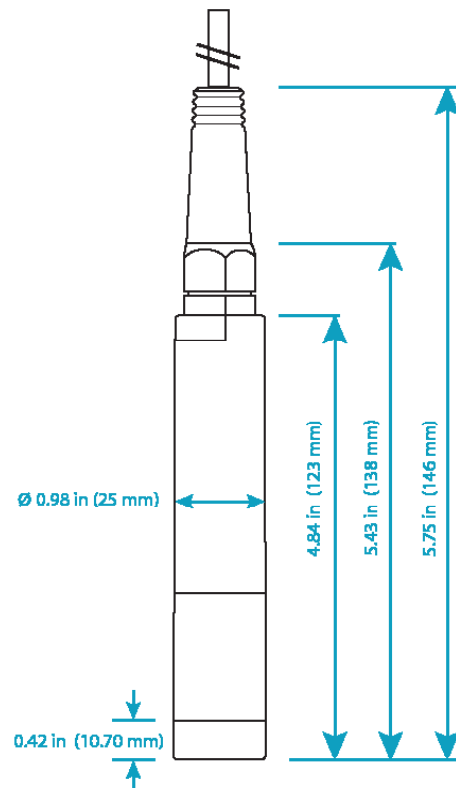
Digital Communication

- 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 ₂ S, 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 (±1Volt)
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 installations