



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

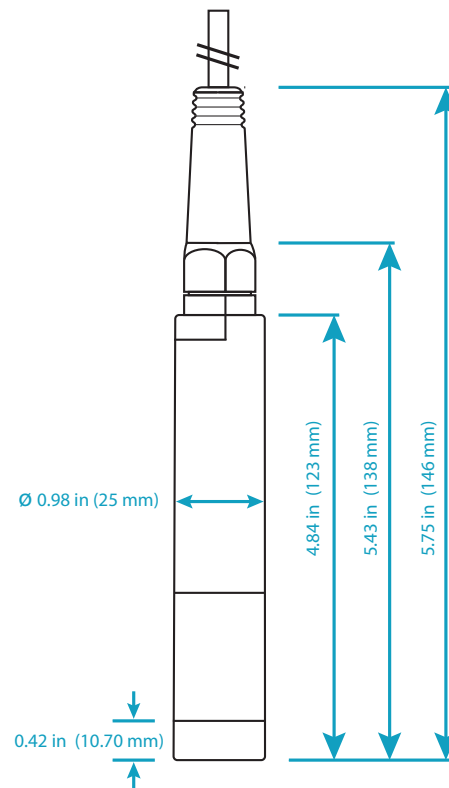
Submersion or inline installation

Suitable for measurements with no inflow velocity

### SPECIFICATIONS

<b>Measurement Principle</b>	Optical measurement via luminescence
<b>Measurement Ranges</b>	0.00-20.00 mg/L 0.00-20.00 ppm 0-200%
<b>Resolution</b>	± 0.1 mg/L ± 0.1 ppm ± 1%
<b>Response Time</b>	90% in less than 60 seconds
<b>Measurement Interval</b>	> 5s
<b>Membrane Cap</b>	Cross Sensitivity: Organic solvents (acetone, toluene, chloroform, methylene chloride); Chlorine gas No Cross Sensitivity: pH 1-14, H <sub>2</sub> S, CO <sub>2</sub> , SO <sub>2</sub>
<b>Temperature Compensation</b>	10K NTC
<b>Temperature Accuracy</b>	0.5°C
<b>Sample Temperature</b>	0-50°C (32 to 122°F)
<b>Max Pressure</b>	5 bar (72.5 PSI)
<b>Signal Output</b>	Direct MODBUS RS-485
<b>Power Supply</b>	12 Volts (±10%)
<b>Power Consumption</b>	1 W
<b>Dimensions</b>	Diameter: 25 mm (0.98 in) x Length 146 mm (5.75 in)
<b>Weight</b>	450g (1lb) for sensor + 3m (10ft) cable
<b>Material</b>	ODO8000=316 Stainless Steel, ODO9000 = Titanium
<b>Protection Rating</b>	IP68

### OUTLINE AND DIMENSIONS



### ORDERING INFORMATION

Part Number	Description
ODO8000	Optical dissolved oxygen probe, 316 stainless steel, direct MODBUS RS485 output
ODOA80	Optical dissolved oxygen sensor replacement cap, stainless steel
ODOA81	NPT 1" mounting fitting for submersion and inline installations (included with ODO8000 and ODO900 for U.S. customers only)
ODO9000	Optical dissolved oxygen probe, Titanium, direct MODBUS RS485 output
ODOA90	Optical dissolved oxygen sensor replacement cap, titanium

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