

Neomeris Select Optical Oxygen Sensor with Modbus Output 12 VDC; Stainless Steel 316L or Titanium with 2- or 10-meter cable

(316L Version with 2 m cable 890855, with 10 m cable 890856 | Titanium Version with 2 m cable 890857, with 10 m cable 890858)

Measurement Principle:	Optical measurement via luminescence
Dissolved Oxygen 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 (±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 or Titanium
Protection Rating	IP68

Versions:

- SS316 body for freshwater application
- Titanium version for saltwater application

Advantages

- 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

