



Be Right™



LDO 2 sc Process Sensor for Dissolved Oxygen, 10 m cable

Product #:

LXV416.99.20001

Web Price:

Rs.234,943.00

Ships within 6-8 weeks

The new LDO generation - even simpler, even more reliable and even more cost-effective

Immersion or flow-through probe with optical luminescence measuring method. Calibration-free & drift-free.

No electrolyte or membrane changes due to the optical measurement method. The new LDO probe ensures there is only a minimal amount of maintenance. The luminescence method means the measurement is unaffected by any type of interference.

Years of practical experience have shown that this method completely overcomes the disadvantages of traditional electrochemical O₂ measurement methods.

Prognosys is a predictive diagnostic system that allows you to be proactive in your maintenance, by alerting you to upcoming instrument issues. Know with confidence whether changes in your measurements are due to changes in your instrument or your water.

This instrument connects to Claros, Hach's innovative Water Intelligence System, enabling you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiency in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.

Extremely reliable - 36-month warranty on probe

The optimised temperature sensor and the new 3D factory calibration make O₂ measurement even more accurate

No electrolyte or membrane changes necessary

Remote functions for simple and convenient data transfer via Internet and SMS

Specifications

Accuracy:	± 0.1 ppm Below 5 ppm
Accuracy 2:	± 0.2 ppm Above 5 ppm
Accuracy 3:	Temperature: ± 0.2 °C
Body material:	Stainless Steel
Cable Length:	10 m (33 ft)
Calibration Method:	All probes are factory calibrated and ready to use
	Air calibration: one point, 100% water saturated air
	Sample calibration: comparison to standard instrument

Communication:	Modbus via SC controller
Controller Compatibility:	SC4500, SC1000, SC200
Diameter:	48.25 mm (1.95 x 10.05 in.)
Dimensions (D x L):	48.25 mm x 254 mm
Flow Rate:	None required
Hazardous Location Ratings:	ETL listed (cETLus marked) to Canadian and US General Safety and Hazardous (Class I, Div. 2) Locations
Interferences:	No Interferences from the following: H ₂ S, pH, K ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , NH ₄ ⁺ , Al ³⁺ , Pb ²⁺ , Cd ²⁺ , Zn ²⁺ , Cr (total), Fe ²⁺ , Fe ³⁺ , Mn ²⁺ , Cu ²⁺ , Ni ²⁺ , Co ²⁺ , CN ⁻ , NO ₃ ⁻ , SO ₄ ²⁻ , S ₂ ⁻ , PO ₄ ³⁻ , Cl ⁻ , anion active surfactants, crude oils, Cl ₂ < 4 ppm
Length:	254 mm
Measurement Range 2:	0.01 - 20.00 mg/L
Measurement Range 3:	0 - 200% saturation
Operating temperature range:	0 - 50 °C
Options:	None
pH Range:	0 - 12 pH
Pressure Range:	Max. 3.5 bar
Protection Class:	IP68
Relative Humidity:	95 % (non-condensing)
Repeatability:	±0.1 mg/L (ppm)
Resolution:	0.01 mg/L DO
Response Time:	T ₉₀ < 40 s
Response time:	T ₉₅ < 60 s
Sensor Cable:	10 m terminated with quick-disconnect plug
Sensor Immersion Depth:	(350 ft.), 1050 kPa (150 psi), maximum
Sensor Thread:	1" NPT outer thread
Storage conditions:	-20 °C - 70 °C
Temperature Sensor:	PT100 integrated, external sensor
Transmission Distance:	100 m maximum when used with an extension cable
Warranty:	Standard
Weight:	1.0 kg (probe only)
Wetted Materials:	Probe body: CPVC, Polyurethane, FKM/FPM, Noryl, 316 Stainless Steel 1.4404 (AISI 316L) Sensor cap: Acrylic
What's included?:	Includes: calibration bags, sensor with 10 m cable, and manual

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Required Accessories

- SC1000 Display Module, Multi-Parameter Universal Controller (Item LXV402.99.00002)
- SC1000 Probe Module, 6 sensors, Prognosys Module, Modbus RS485, 100-240V AC, no power cord (Item LXV400.99.1H082)
- SC1000 Probe Module, 8 sensors, Prognosys Module, 100-240V AC, no power cord (Item LXV400.99.1G092)
- SC1500 Controller, 6 Sensor Connectors, 8x mA Out, 110V/Cond Ext MOD (Item LXV446.99.103N1)
- SC1500 Controller, 6 Sensor Connectors, 8x mA Out, 110V/Cond 4 Relay/C Ext MOD (Item LXV446.99.1R3S1)

- SC4500 Controller, Prognosys, 5x mA Output, 2 Digital Sensors, 100-240 VAC, without power cord (Item LXV525.99A11551)
- SC4500 Controller, Prognosys, 5x mA Output, 1 digital Sensor, 100 - 240 VAC, without power cord (Item LXV525.99A11501)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 24 VDC, without plug (Item LXV525.99Z11551)