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

Product #:	**LXV416.99.20001**
AED Price:	Contact Hach

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 O_2 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 O_2 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 Above 5 ppm
Cable length:	10 m
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 SC200 or SC1000 controller
Diameter:	48.25 mm
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 l, Div. 2) Locations
Housing material:	Stainless Steel
Immersion depth:	15 m, 1050 kPa, maximum
Interferences:	No Interferences from the following: H_2S, 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
Measuring range:	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
Sensor cable:	10 m terminated with quick-disconnect plug
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

- 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)