

Intellical LDO101 Field Luminescent/Optical Dissolved Oxygen (DO) Sensor, 30 m Cable

Product #:	**LDO10130**
AED Price:	Contact Hach
Available	

Luminescence-based LDO technology - no replacement of electrolyte, no interference by deposits or H_2S

Intellical LDO101 is a digital, luminescent/optical dissolved oxygen (LDO) probe. This Rugged DO sensor version is built with a stainless steel body ensuring sufficient weight to the probe for an easy outside handling, the sensing part is protected by a shroud, and the connection is ensured by strong and visible yellow coloured cable onto which you can clip depth markers (optional accessories), making the LDO101 rugged models specially designed for field use. LDO101 Rugged is available with a 5, 10, 15, or 30 meters cable. The LDO101 is fitted with an automatic pressure sensor module and a temperature sensor. LDO101 probes are fully calibrated at the factory. New LDO101 probes no longer require iButtons. The days in use tracking feature and the remaining sensor cap life reminder are initialized on the day of first use. The LDO101 Rugged is ideal for measuring dissolved oxygen in all type of external environment such as river, surface and ground waters, ponds, lakes, sea, wastewater plant, source water, drinking water reservoir for water quality, environmental and treatment process purposes.

Hach Intellical LDO is a revolutionary breakthrough in the measurement of dissolved oxygen, eliminating the numerous reliability and maintenance concerns inherent of older DO measurement technologies.
The Intellical LDO optical dissolved oxygen probe has no membranes to clean or replace, no electrolyte solution to replenish, and reduces calibration frequency. Trusted for dissolved oxygen measurement by thousands of facilities around the world.

Intellical Rugged digital probes can reliably test in the harshest environmental conditions
Stainless steel body, polymer sensor shroud, and reinforced, steel-sheathed cables protect the probe for measurement anywhere in the field

Intellical digital probes provide ultimate traceability in measurement history
Stored time and date stamp for each measurement, operator and sample ID, calibration history, parameter, and probe serial number.

Intellical digital probes alert the user when re-calibration is needed
No guesswork needed to provide the most reliable and accurate results with each measurement.

Intellical digital probes can be moved between meters without the need to re-calibrate or re-enter measurement settings
Ideal for a multi-user environment with multiple HQD series Laboratory and Portable meters.

Specifications

Accuracy:	±0.2 mg/L for greater than 8 mg/L
Cable length:	30 m
Electrode type:	Luminescent Dissolved Oxygen
Kit?:	No
Length:	223 mm
Measuring range:	0.05 - 20.0 mg/L 1 - 200% saturation
Method Type:	Field: Luminescent Dissolved Oxygen
Parameter:	Dissolved Oxygen (DO)
Pressure accuracy:	±0.8%

Pressure Resolution:	1 mbar (1 hPa)
Product Kit:	Model: LDO101
	Accessories Included: None
Resolution:	0.01/0.1 (5 digits max.)
Sample depth:	10 mm
Saturation resolution:	0.1 %
Sensor material:	Polycarbonate / ABS / Stainless Steel
Sensor type :	Lumiphore
Temperature accuracy:	±0.3 °C
Temperature range:	0 - 50 °C
Temperature resolution:	0.1 °C
Test requirements:	Parameter Needed: Dissolved Oxygen
	Minimum Sample Depth (mm): 10
Thermistor:	# (ATC)
Warranty:	36 months
Water Resistance:	IP67, waterproof for 24 hours at a depth of 30 meters
Weight:	2.7 kg
What's included?:	Intellical LDO101 Rugged Luminescent Dissolved Oxygen (LDO) probe, 30 m cable, protective shroud kit, DO cap and Basic User Manual.

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