



Be Right™



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

**Product #:** LDO10130  
**NZD Price (Incl. GST):** Contact Hach  
 Not in stock - ships within 4-6 weeks

### Luminescence-based LDO technology - no replacement of electrolyte, no interference by deposits or H<sub>2</sub>S

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. The DO sensing cap comes with an iButton to track days in use and remind remaining life of the sensing cap element. 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.

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## Specifications

Accuracy:	±0.2 mg/L for greater than 8 mg/L
Cable Length:	30 m
Dimensions (D x L):	46 mm x 223 mm
Electrode Type:	Luminescent Dissolved Oxygen
Length:	223 mm
Parameter:	Dissolved Oxygen (DO)
Pressure accuracy:	±0.8%
Pressure Resolution:	1 mbar (1 hPa)
Probe Type:	Rugged
Range:	0.05 - 20.0 mg/L

	1 - 200% saturation
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
Thermistor:	# (ATC)
Water Resistance:	IP67, waterproof for 24 hours at a depth of 30 meters
Weight:	2.7 kg

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## What's in the box?

Intellical LDO101 Rugged Luminescent Dissolved Oxygen (LDO) probe, 30 m cable, protective shroud kit, DO cap with iButton (already mounted) Test certificate, and Basic User Manual.