



## Intellical LBOD101 Luminescent/Optical Dissolved Oxygen (LDO) Sensor for BOD Measurements, 1 m Cable

**Product #:** LBOD10101  
**ZAR Price:** Contact Hach  
**Ships within 3 days**

### A Breakthrough in BOD Measurement!

#### **Hach LBOD Intellical probe uses unique LDO technology to deliver superior confidence in results.**

Intellical LBOD101 is the latest embodiment of Hach's unique Luminescent Dissolved Oxygen (LDO) technology. The LBOD101 is a digital, luminescent dissolved oxygen (LDO) sensor with a replaceable, integrated stirring system. The LBOD101 measures the dissolved oxygen for BOD (Biochemical Oxygen Demand) determination in BOD bottles in BOD<sub>5</sub> testing applications. The LBOD101 probe is used for initial and final dissolved oxygen measurements. The LBOD101 is fitted with an automatic pressure sensor module. The DO sensing cap comes with an iButton to track days in use and remind remaining life of the sensing cap element.

#### **The Hach Intellical LBOD101 optical dissolved oxygen probe improves confidence in the BOD5 testing procedure by reducing variance and maintenance while increasing stability, accuracy, precision, and efficiency (tests per unit time).**

The Intellical LBOD101 probe has no membranes to foul or replace, no electrolyte solution to replenish, and fast, reliable 2-point calibration that stabilizes quickly. Additionally, there is no 30-minute polarization and warm-up time with the LBOD101 probe.

#### **Intellical LBOD101 low maintenance requirements keeps lab down-time to a minimum**

The Intellical LBOD101 has no membranes to replace (lower cost of ownership), features a replaceable stirrer assembly and a long-life unique magnetic-based motor that is also replaceable.

#### **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 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:	±0.05 mg/L from 0 to 10 mg/L
Cable Length:	1.8 m
Dimensions (D x L) :	15.875 mm x 215 mm
Electrode Type:	Luminescent Dissolved Oxygen
Length:	215 mm
Method Type:	Laboratory: Luminescent Dissolved Oxygen
Parameter:	BOD
Pressure accuracy:	±3 mbar (0.3 kPa)
Pressure Resolution:	5 mbar (0.5 kPa)
Product Kit:	Model: LBOD101
	Accessories Included: None
Range:	0.05 - 20.0 mg/L

	1 - 200% saturation
Resolution:	0.01/0.1
Saturation accuracy:	±0.59% of reading
Saturation resolution:	0.1 %
Sensor Cable:	1.8 m
Sensor material:	Polycarbonate / ABS
Sensor Type :	Lumiphore
Special Features:	Integrated stirring system.
Temperature Accuracy:	±0.3 °C
Temperature Range:	0 - 50 °C
Temperature resolution:	0.1 °C
Test requirements:	Parameter Needed: BOD
	Minimum Sample Depth (mm): 10
Thermistor :	ATC
Warranty:	12 months
Weight:	0.22 kg
What's included?:	Intellical LBOD101 Luminescent Dissolved Oxygen (LDO) sensor for BOD measurement, Test certificate, and Basic User Manual.

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