

Handheld Optical Dissolved Oxygen Meter

Introducing Alpha's handheld optical dissolved oxygen meter under the Van London Brand utilizing fluorescence quenching technology sensors for process, grab samples, and laboratory monitoring.

The handheld meter has the characteristics of high precision, high stability, and low maintenance. With resolution down to less than 1 part per billion (ppb), it enables high precision in both field and laboratory use.

Alpha's sensor technology is based on a proven method whereas oxygen concentration is determined by the luminescent quenching of a dye embedded on the sensor surface. Unlike polarographic or galvanic sensors, this optical sensor does not require filling solutions nor a "warm-up" time.

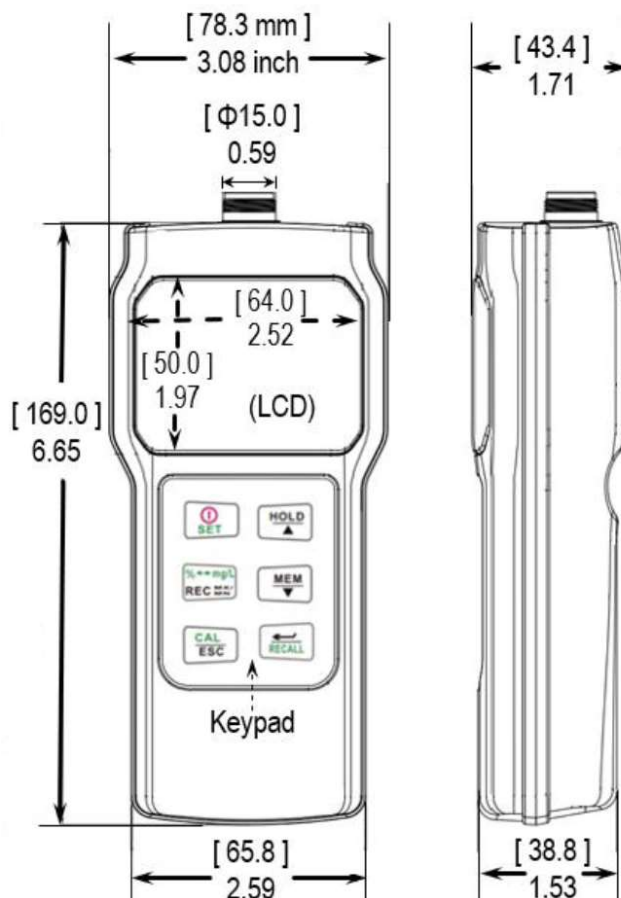
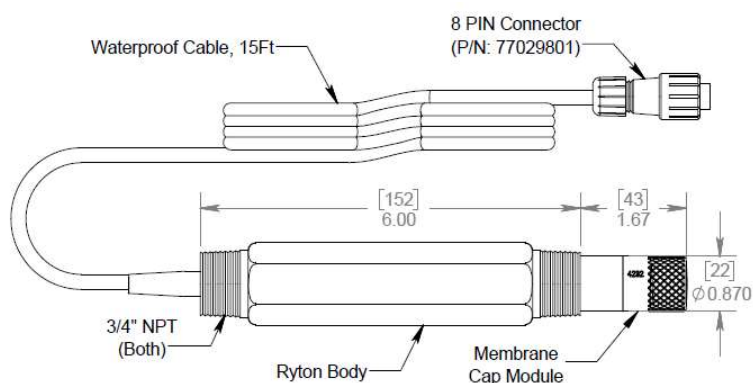
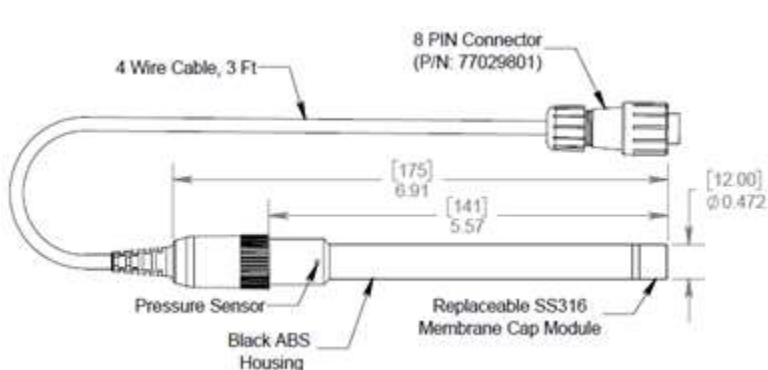


Specifications Summary:

Model	DOM-L001
DO Range	0-20 mg/L ppm (0-200% Saturation)
DO Accuracy	0 – 110% < ±1% 110 – 200% < ±2%
DO Resolution	Low Range: (< 1 mg/L): < 1 ppb Mid-Range: < 10 ppb High Range: (> 10 mg/L)
DO Response Time	T ₉₀ ~30 sec. for 100 to 10%
Temp. Accuracy	T ₉₀ <30 sec.
Temp. Response Time	T ₉₀ ~40 sec. for 5 to 45°C (w/ stir)
Operating Temp. Range	0 – 50°C
Dimensions	(W x H x L, mm): 78.3 x 169 x 42.4

Features:

- Built-in automatic temperature compensation from 0 to 50°C (°C / °F)
- Built-in automatic pressure compensation in 50 to 115 kPa
- Salinity auto compensation with user input (0 – 55 ppt)
- Battery powered with ~10 hours of continuous operation
- 1-Point and 2-Point calibrations available for ppm and ppb measurements
- ODO Kit includes case, meter, choice of process or laboratory style sensor, metal guard, and AAA batteries (accessories are available separately)



ODO Meter and Sensor Kit

DOM-L001-KIT	ODO Meter and Laboratory Sensor with Carrying Case, Including 6 AAA Batteries
DOM-G001-KIT	ODO Meter and Process Sensor with Carrying Case, Including 6 AAA Batteries and Metal Guard

Meter and Sensor Only

DOM-MT01	Van London Branded ODO Meter
DOL2-DOM1	ODO Laboratory Sensor
DOGB-DOM1	ODO Process Sensor

Accessories

DOL2-MS02	Membrane Cap for ODO Laboratory Sensor
DOGB-MS02	Membrane Cap for ODO Process Sensor
DOM-CASE	Carrying Case