Datasheet

Polaris C LDO
Product no. H05LDO-25



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Intended use

Polaris C meters are portable instruments designed for fast and accurate spot measurements of environmental parameters in aquaculture, research and industrial use.
Polaris C LDO uses optical technology to measure dissolved oxygen directly in water. It offers high long-term stability and minimal maintenance, providing reliable readings for continuous monitoring of fish health and water quality.

Technical specifications

Units of measure	Oxygen: ppm (mg/L), % saturation. Temperature: Celsius (°C), Fahrenheit (°F)
Display	Graphical LCD display with variable backlight
Types of probes	LDO – Luminescence Optical Technology
Cable length	Standard 3 meters / 10 ft. By request; available at any length up to 100 m / 328 ft
Probe immersion depth	For use beyond 10 m (33 ft), a specially designed probe is required. Specify when ordering
Operating temperature	• Probe: -10° to +60° C / +14 to +140° F • Meter: -20° to +60° °C / -4° to +140° °F
Meter water resistance	IP67-rated, allowing short-term immersion up to 1 m / 3 ft
Response time	To 90% in less than 15 seconds in water (less than 5 seconds in air)
Measuring range	• Oxygen: 0-200% saturation, 0-23 mg/L • Temperature: -5 to +45 °C / +23 to +113 °F
Measuring accuracy	• Oxygen: ± 1% saturation ± 0,1% ppm (mg/l) • Temperature : ± 0.5 °C / °F
Data logging capacity	Min. 3000+ sets of data with maximum 140 tag references
Salinity compensation range	0-50 ppt, manually set
Automatic check of	Probe function, meter function, cable and battery
Automatic compensation	Temperature and barometric pressure (300-1200 mBar)
Dimensions meter	Length = 98 mm / 3.86". Diameter = 36 mm / 1.42"
Dimensions probe	Length = 50 mm / 1,97 In. Diameter = 47,5 mm / 1,87"
Power	Single-cell Li-Ion battery pack with integrated battery protection circuitry. Nom. 3.7V, max. capacity 9Wh. UN38.3 certified
Battery life	Up to 133 days of typical use (2 hr/day)

Order information / part numbers

Replacement probe for Polaris C LDO	Item no: H05LDOYRP-25
Sensor spot kit for Polaris C LDO	Item no: H05LDOSPK
Sensor spot protector for Polaris C LDO	Item no: H05LDOSSP

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