Datasheet

Polaris C Redox
Product no. H04R-25



OxyGuard International A/S | Farum, Denmark | +45 4582 2094 | oxyguard@oxyguard.com

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 Redox shows how well your system breaks down waste and controls bacteria. It helps you monitor and adjust disinfection and water treatment to maintain stable and healthy water conditions.

Technical specifications

Units of measure	pH or Redox in millivolts (mV)
Display	Graphical LCD display with variable backlight
Probe type	Select either a pH or Redox electrode
Cable length	Standard 1.5 meters / 4.92 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/electrode: -5°C to +45°C / 23°F to 113°F • Meter: -20°C to +60°C / -4°F to +140°F
Meter water resistance	IP67-rated, allowing short-term immersion up to 1 m / 3 ft
Measuring range	• **pH**: 0-14 pH • **Redox**: +/- 1000 mV
Measuring accuracy	• **pH**: Depends on calibration, but typically better than +/- 0.5 % FS • **Redox**: Typically better than +/- 0.5% FS
Data logging capacity	Min. 3000+ sets of data with a maximum of 140 tag references
Automatic check of	Probe function, meter function, cable and battery
Dimensions meter	Length = 98 mm / 3.86". Diameter = 36 mm / 1.42"
Dimensions probe (with preamplifier and electrode)	Length = 225 mm / 8.86". Diameter = 216 mm / 8.50"
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 415 days of typical usage of 2 hr/day.
Battery charge time	From 20% to 80% in 2-3 hours

Order information / part numbers

Replacement probe for Polaris C pH or Redox (without electrode)	Item no: H04YRP-25
Light Duty pH electrode for Polaris C	Item no: H04XPEL
Heavy Duty pH electrode for Polaris C	Item no: H04XPELHD
Light Duty Redox electrode for Polaris C	Item no: H04XREL
Heavy Duty Redox electrode for Polaris C	Item no: H04XRELHD

Data subject to change without notice; Polaris C Redox, no. H04R-25 datasheet GB 2026 11