



# Datasheet

Polaris C Redox  
Product no. H04R-25



## 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
Operating temperature	<ul style="list-style-type: none"><li>Probe/electrode: -5°C to +45°C / 23°F to 113°F</li><li>Meter: -20°C to +60°C / -4°F to +140°F</li></ul>
Meter water resistance	IP67-rated, allowing short-term immersion up to 1 m / 3 ft
Measuring range	<ul style="list-style-type: none"><li>pH: 0-14 pH</li><li>Redox: +/- 1000 mV</li></ul>
Measuring accuracy	<ul style="list-style-type: none"><li>pH: Depends on calibration, but typically better than +/- 0.5 % FS</li><li>Redox: Typically better than +/- 0.5% FS</li></ul>
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 2025 10*