Datasheet

Polaris C Salinity
Product no. H09-25



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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 Salinity measures salinity, conductivity and temperature in water. It provides a quick and reliable check of salt levels to help maintain stable conditions for fish health and system balance. The meter is factory-calibrated to the PSS-78 standard and requires no user calibration.

Technical specifications

Units of measure	Salinity: PPT ‰ (parts per thousand), Temperature: Celsius (°C) or Fahrenheit (°F), Conductivity: mS/cm
Display	Graphical LCD display with variable backlight
Types of probes	Inductive
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: –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
Response time	Approx. 2 seconds, at unchanged temperature
Measuring range	Salinity: 0-50 PPT. Temperature: -5 to +45 °C / 23 to 113 °F, Conductivity 0-100 mS/cm
Measuring accuracy	Typically ± 1 ppt between 2 and 42 ppt at temperatures between -2 and +35 °C / 28 to 95 °F. Temperature: ± 0.2 °C / °F
Repeatability	Typically better than ± 0,5% of value
Data logging capacity	3000+ sets of data with unlimited unique NFC tag references
Automatic check of	Probe function, meter function, cable and battery
Factory Calibration	Practical Salinity Scale 78 (PSS-78)
Dimensions meter	Length = 98 mm / 3.86". Diameter = 36 mm / 1.42"
Dimensions probe	Length = 145 mm / 5.71". Diameter = 40 mm / 1.57"
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 46 days of typical usage with 2 hr/day

Order information / part numbers

Replacement probe for Polaris C Salinity	Item no: H09YSP-25
Cleaning brush	Item no: H09XBR

Data subject to change without notice; Polaris C Salinity, no. H09-25 datasheet GB 2026 11