



Handy Polaris

Portable Dissolved Oxygen Monitor

PRODUCT DATASHEET

APPLICATIONS

River Monitoring
Aeration Control

MEASUREMENT PRINCIPLE

Galvanic Cell
Self Polarizing
Self Temperature Compensated

BENEFITS

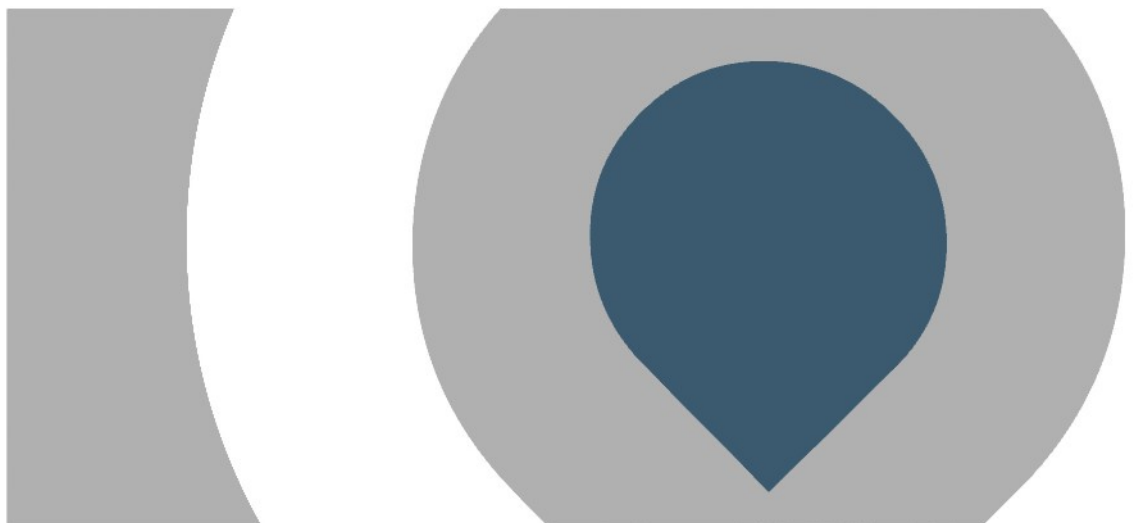
Probe can be stored dry
No regular maintenance
1400 Hours from one 9V battery



Handy Polaris – a breakthrough in functionality. Polaris is the first of a new generation of Handy Meters! As with the first Handy you can switch it on, put it in the water and measure, but measurements made with the Polaris are supported by a range of advanced functions designed to make things even easier:

- ⊕ Large Display
- ⊕ Automatic Calibration
- ⊕ Choice of units
- ⊕ Automatic self-check
- ⊕ Automatic probe check
- ⊕ Barometric Pressure Compensation
- ⊕ Extremely long battery life

New probe design - faster and even more accurate, longer intervals between measurement
Polaris – measurement power at your fingertips – an instrument you can rely on!



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Handy Polaris

Portable Dissolved Oxygen Monitor

PRODUCT DATASHEET

Physical

Weight
Dimensions
Enclosure Rating
Enclosure Material
Cable Entries
Cable Size
Cable Length
Service Requirements

Environmental Data

Operating Temperature

Location

Power Supply

Battery
Battery Life

Measurement Details

Response Time
Accuracy
Temperature Accuracy
Repeatability
Salinity Compensation
Measurement Principle
Range

Temperature Range

User Interface

Display
Setup
Self Checking
Units of Measurement

Standard Accessories

Mounting

Type

0.5 kg
98 mm diameter x 36 mm
Electronics IP65, Sensor IP68 to 5 metres
Polyoxymethylene (POM)
Integral Cable Gland
3 core, 5 mm OD Polyurethane coated cable
3 metre standard, 100 metre maximum
No routine servicing
Will require cleaning after use

Monitor: -20 to 60°C
Sensor: -5 to 45°C
Portable

Standard PP9 Battery
Approx 2 years with 1 hour's use per day, 5 months with 8 hours use per day

90% of end value in less than 20 seconds on water
Better than +/- 1% of measured value
+/- 0.2°C
Better than +/- 0.5% of measured value
0 – 59 ppt Salinity – manually set
Galvanic Cell, Self Polarizing, self Temperature Compensating
0 – 60 mg/l (ppm), 0-600%Sat
Automatically compensated for temperature and barometric pressure
-5 to +45°C

Graphical Display providing 3 1/2 Digit
via 6 Button Membrane Keypad
Probe Function, Electronic Function, Cable, Battery Condition
mg/l, ppm, %Sat

Membrane Cap, Membranes, Electrolyte, Cathode Cleaning Pad

Portable



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The company reserves the right to alter the specification without prior notice. E&OE

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