



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!



Call us on 01726 879800 www.partech.co.uk





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Physical

Dimensions
Weight
Protection Class
Enclosure Material
Cable Entries
Cable Size
Cable Length
Service Requirements

98 mm diameter x 36 mm
0.5 kg
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

Electrical

Battery
Battery Life

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

Environmental Data

Operating Temperature

Location

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

Measurement Details

Accuracy
Repeatability
Response Time
Temperature Accuracy
Salinity Compensation
Measurement Principle
Range

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

User Interface

Display
Setup
Self Checking
Units of Measurement

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

Standard Accessories

Membrane Cap, Membranes, Electrolyte, Cathode Cleaning Pad

Mounting

Type

Portable



Publication No: 220436DS-Iss03
The company reserves the right to alter the specification without prior notice. E&OE

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