

# Handy Polaris DATASHEET

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# 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!



partech



# Handy Polaris

## Portable Dissolved Oxygen Monitor

### PRODUCT DATASHEET

#### Physical

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

#### Electrical

Battery  
Battery Life

#### Environmental Data

Operating Temperature  
  
Location

#### Measurement Details

Accuracy  
Repeatability  
Response Time  
Temperature Accuracy  
Salinity Compensation  
Measurement Principle  
Range

#### User Interface

Display  
Setup  
Self Checking  
Units of Measurement

#### Standard Accessories

#### Mounting

Type

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

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

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

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

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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