



Handy Polaris 2

Portable Dissolved Oxygen Monitor with Datalogger

PRODUCT DATASHEET

APPLICATIONS

River Monitoring
Aeration Control

MEASUREMENT PRINCIPLE

Galvanic Cell
Self Polarizing
Self Temperature Compensated

KEY BENEFITS

Probe can be stored dry
No regular maintenance
1400 Hours from one 9V battery
Internal Datalogger – 3000 data points
PC link via USB cable for data download



Measuring Dissolved Oxygen in Activated Sludge Plants is a vital part of process control, the Polaris 2 makes this an easy, fast and reliable process, allow users to check process performance and the accuracy of any online instrumentation. The Polaris 2 is also great for monitoring DO in Reservoirs, Rivers, Aquaculture and water treatment process.

The handheld monitor has a large display and an extremely long battery life – many months of normal operation. The system carries out a self-check process every time it is switched on and will carry out calibration of the system at the push of a button. The long standing ability to store the probe dry removes that need for regular probe regeneration and means that the system is ready for use straight from the bag.

The Handy Polaris 2 includes an in built data logger that can store up to 3000 data sets (Dissolved Oxygen, Temp, Date/Time) that can be easily uploaded to the PC via the USB link cable.

The Handy Polaris 2 is supplied with a self polarising, galvanic sensor which is self temperature compensating which can be stored dry. There is no need for any maintenance other than wiping the sensor clean after use. The power consumption is exceptionally low, typically providing 1400 hour use from a single 9V battery.

The Handy Polaris 2 comes complete with membrane maintenance kit, USB to PC link cable and carry bag as standard.

Call us on + 44(0) 1726 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
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

Environmental Data

Operating Temperature

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

Electrical

Battery
Battery Life

Standard PP3 Battery
Approx 2 years with 1 hour's use per day, 5 months with 8 hours use per day

Measurement

Range

Accuracy
Measurement Principle

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

User Interface

Display
Setup
Self Checking
Units of Measurement
Internal Memory

Graphical Display providing 3 1/2 Digit via 6 Button Membrane Keypad
Probe Function, Electronic Function, Cable Condition
mg/l, ppm, %Sat
3000 data sets: 1 Set = mg/l + %Sat + Temp + Date + Time

Standard Accessories

Membrane Cap, Membranes, Electrolyte, Cathode
Cleaning Pad, USB to PC data link

Mounting

Type

Portable

Order Codes

Part No Description

- 225684 OxyGuard, Handy Polaris 2 Portable Oxygen Meter with Datalogger and USB Link Cable (Sensor Cable Length: 3 metres)
- 227830 OxyGuard, Handy Polaris 2 Portable Oxygen Meter with Datalogger and USB Link Cable (Sensor Cable Length: 10 metres)

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

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