

OxyGuard Handy Polaris 2 *Portable DO Meter*

Hand-held Oxygen Meter that is extremely easy to use!



The Polaris Link is used for easy transfer of stored values to your PC

Hand-held dissolved oxygen and temperature meter with data logging and data transfer capability!

The Handy Polaris 2 hand-held meter makes it easy to measure dissolved oxygen and temperature. The flat foil pushbuttons are easy to operate and the instrument is always ready to use - just press the "on" button and measure.

Dissolved oxygen values are shown both in mg/l (ppm) and % saturation - the user chooses which parameter is shown in large figures.

Polaris 2 has a memory that can contain 3000 complete sets of data - each with values of mg/l (ppm), % saturation, temperature, time and date. Values can be stored either automatically at preset time intervals, or manually. You can group values according to the place of measurement. Stored values can be transferred to a PC using the Polaris Link, which connects to the PC via a USB cable.

The datalogging and transfer capabilities, and other functions such as automatic calibration and self-check of the probe and meter, combine with the well-known accuracy, reliability and low maintenance needs of the OxyGuard Handy series to make an instrument that will serve you well for many years to come.

Technical Information

Technical Advantages

Meter

- Automatic calibration with stability check
- Automatic self-check of instrument, cable and probe
- Compensates for changes in atmospheric pressure
- User selectable language and main display parameter
- "On-screen" instructions
- Waterproof
- 1400 hours use from one 9V alkaline battery
- Illuminated display with variable intensity
- Stores 3000 sets of full data
- Automatic or manual data logging
- Data transfer to PC using link and USB cable

Specifications

Parameters:	ppm (mg/l), % saturation, temperature (°C or °F), salinity compensation.
Display:	Large, easy to read graphical LCD display. Variable backlight.
Probe Type:	Galvanic cell, self polarizing, self temperature compensating.
Cable Length:	Standard 3 m. Any length available on request.
Operating Conditions:	Probe: -5 to +45°C, meter -20 to +60°C.
Encapsulation (meter):	Short-term immersion proof to max. 5m depth.
Measuring Range:	0-60.0 ppm (mg/l) and 0-600% saturation. Automatically compensated for temperature and barometric pressure. Manual salinity compensation. Temperature -5 to +45°C.
Salinity Compensation:	0-59 ppt salinity (manually set).
Accuracy:	Depends on calibration accuracy. Typically better than +/- 1% of measured value +/- 1 digit within the standard measuring range.
Repeatability:	Typically better than +/- 0.5% of measured value.
Response Time:	90% of end value in less than 20 seconds in water. Accuracy, Temperature: +/- 0.2°C.
Datalog capacity:	Over 3000 sets of complete information (mg/l, %sat, temperature, events etc.)
Dimensions:	98 mm diameter x 36 mm + belt clip (if used).
Self-check of:	Probe function, meter function, cable, battery.
Useful battery life:	Typically 500 hours normal use, max. 2 years.
Standard Accessories:	Membranes with O-rings, electrolyte, cathode cleaning pad, storage pouch.

Ordering Information

H01P2: Handy Polaris with datalogger, supplied with standard accessories

H10LINK: OxyGuard Polaris Link for transfer of data to PC

Spares

H10ACC: Accessory kit: 10 membranes and O-rings, 50 ml electrolyte, tool and cathode cleaning pad

D10E1500: 500 ml electrolyte

D10E11L: 1 liter electrolyte

H10M: Membrane kit: 10 membranes & O-rings

H10CAP: Membrane cap with membrane

H10CB6: Extra cable per meter

H10PO: Pouch

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