

# OxyGuard Handy Polaris *Portable DO Meter*

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



## **Handy Polaris - a breakthrough in functionality!**

**The ease of use of the first Handy combined with state-of-the art technology!**

**Just 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 for you:**

- Large Display
- Automatic Calibration
- Choice of Language
- Choice of Units
- Multi-Parameter
- Automatic self-check
- Automatic Probe Check
- Barometric Pressure Compensation
- Extremely long battery life
- Extremely easy to use

**And, of course, all the other OxyGuard advantages that you are used to!**

**Polaris - measurement power at your fingertips  
- an instrument you can rely on!**

# Technical Information

## Technical Advantages

### Meter

- Automatic calibration with stability check.
- Automatic self-check of instrument
- Automatic check of cable and probe.
- Compensates for changes in atmospheric pressure
- User selectable language.
- User selectable main display parameter.
- "On-screen" instructions.
- Waterproof.
- 1400 hours use from one 9V alkaline battery.
- Illuminated display with variable intensity.
- Automatic shutdown for power saving.

### Probe

- Galvanic type.
- Self-polarizing.
- No warm up time.
- Fully temperature compensated.
- Remarkably short response time.
- Stores dry.
- Excellent long-term stability.
- Tough membrane.
- No need for regular service or renovation.
- Probe renovation easy and fast when needed.
- Spares available at very low price.

## 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.
Dimensions:	98 mm diameter x 36 mm + belt clip (if used).
Self-check of:	Probe function, meter function, cable, battery.
Useful battery life:	Approx. 2 years with 1 hour's use per day, 5 months with 8 hours use per day.
Standard Accessories:	Membranes with O-rings, electrolyte, cathode cleaning pad, storage pouch.

## Ordering Information

H01P: Handy Polaris supplied with standard accessories.

### Spares

H10ACC: Accessory kit: membrane cap, 5 membranes & O-rings, 50 ml electrolyte and tool.

D10E1500: 500 ml electrolyte.

D10E11L: 1 liter electrolyte.

H10M: Membrane kit: membranes & O-rings.

H10CAP3: Membrane cap with membrane.

H10CB6: Extra cable per meter.

H10PO: Pouch.

H01P Handy Polaris brochure gb 0309  
Data subject to change without notice