

OxyGuard Handy Polaris *Portable DO Meter*

Hand held Oxygen Meter that is extremely easy to use!



Handy Polaris - a breakthrough in functionality!

Polaris is the first of a new generation of Handy Meters!

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**
- **NEW PROBE DESIGN:**

*faster and even more accurate,
longer intervals between maintenance.*

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.
- Special highly flexible cable.
- Automatic shutdown for power saving.

Probe

- NEW PROBE DESIGN
-even easier to renovate!
- Galvanic type.
- 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.
H01XC1:	Extra cable per meter.
H10PO:	Pouch.

H01P Handy Polaris brochure gb 0606
Data subject to change without notice