

OxyGuard Handy Polaris

Dissolved Oxygen and Temperature Meter that is very easy to use



Hand-held dissolved oxygen meter

The Handy Polaris 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 - you can choose which parameter is shown in large figures. Measurements are compensated for changes in barometric pressure.

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
- 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

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:	Typically 500 hours normal use, max. 2 years.
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: 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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