



Handy Polaris

Hand Held Oxygen Meter

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



Information

HANDY POLARIS - THE FIRST OF A NEW GENERATION!

Polaris - a breakthrough in functionality!

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.

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 selectabel language
- User selectabel main display parameter
- "On-screen" instructions
- Waterproof
- 1400 hours use from one 9V alkaline battery
- Illuminated display with variable intensity
- Special highly flexibel 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
- Porbe renovation easy and fast when needed
- Spares available at very low price

Specifications

Parameters	ppm (mg/1), % 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 5 m depth
Measuring Range	0-60.0 ppm (mg/1) 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 clairation accuracy. Typically better than $\pm 1\%$ of measured value ± 1 digit within the standard measuring range
Repeatability	Typically better than $\pm 0.5\%$ of measured value
Response Time	90% of end value in less than 10 seconds in water
Accuracy, Temperature	$\pm 0.2^\circ\text{C}$
Accuracy, Pressure	± 1 millibar
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	Membrane cap, membranes, electrolyte, cathode cleaning pad, storage pouch