

# OxyGuard Handy "Polaris TGP" Portable Total Gas Pressure & Dissolved Oxygen Meter



The OxyGuard Handy Polaris TGP is a hand-held meter that measures the atmospheric pressure, the total dissolved gas pressure, the oxygen partial pressure and the temperature. It can operate in three modes:

A) as a standard Polaris dissolved oxygen & temperature meter

B) as a TGP meter that shows pressures as "percent saturation" values of the actual atmospheric pressure

C) as a TGP meter that shows pressures as volume percentages.

When measuring in air-saturated fresh water at 24°C the following will be shown:

A) "Show Oxygen" mode:  
100% SAT (O<sub>2</sub>); 8.40 mg/l (O<sub>2</sub>); 24.0 °C (temp.)

B) "Show TGP % Sat" mode:  
100% SAT (O<sub>2</sub>); 100% TGP (total); 100% RES (rest; other gases)

C) "Show TGP % Vol" mode:

## Specifications

<b>Dimensions:</b>	Meter 98 mm diameter x 36 mm Probe 58 mm x 110 mm + cable gland
<b>Cable Length:</b>	Standard 3 m. Other on request.
<b>Operating Conditions:</b>	Probe: -5 to +45°C, meter -20 to +60°C.
<b>Encapsulation (meter):</b>	Short-term immersion proof to 5m
<b>Display:</b>	Graphical LCD display. Variable backlight.
<b>Parameters measured:</b>	Oxygen partial pressure, atmospheric pressure, total dissolved gas pressure, temperature at probe.
<b>Oxygen Probe Type:</b>	Galvanic cell, self polarizing, self temperature compensating.
<b>Self-check of:</b>	Probe function, meter function, cable, battery.
<b>Useful battery life:</b>	35 days with 20 measurements per day (each of 2 minutes "on" time)
<b>Accessories included:</b>	Storage pouch, DO probe membranes with O-rings & electrolyte, cathode cleaning pad, storage pouch.



## Ordering Information

H08:	OxyGuard Polaris 2 TGP complete with accessories.
H08XSE:	Replacement TGP sensor element.
H10LINK:	OxyGuard Polaris Link for transfer of data to PC.
H10M:	Handy Membranes and o-rings (10 Pack)
D10E1500:	500 ml electrolyte for DO probe.

Specifications and prices subject to change without notice

