



technolab

Tailored Solutions for
Water Quality & Control
in Aquaculture

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 (O₂); 8.40 mg/l (O₂); 24.0 °C (temp.)
- B) "Show TGP % Sat" mode:
100% SAT (O₂); 100% TGP (total); 100% RES (rest; other gases)
- C) "Show TGP % Vol" mode:
21% O₂ 100% TGP (total); 79% RES (rest; other gases)



OxyGuard®

SPECIFICATIONS:

Dimensions: Meter 98 mm diameter x 36 mm
Probe 58 mm x 110 mm + cable gland

Cable Length: Standard 3 m. Other on request.

Operating Conditions: Probe: -5 to +45°C, meter -20 to +60°C.

Encapsulation (meter): Short-term immersion proof to 5m

Display: Graphical LCD display. Variable backlight.

Parameters measured: Oxygen partial pressure, atmospheric pressure, total dissolved gas pressure, temperature at probe.

Oxygen Probe Type: Galvanic cell, self polarizing, self temperature compensating.

Self-check of: Probe function, meter function, cable, battery.

Useful battery life: 35 days with 20 measurements per day (each of 2 minutes "on" time)

Accessories included: 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.