

OxyGuard Portable Dissolved CO2 Meter



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Tailored Solutions for
Water Quality & Control
in Aquaculture

The OxyGuard CO2 Portable is a reliable and easy to use instrument that measures the free dissolved carbon dioxide concentration directly in the water. The CO2 concentration is shown on the display, and there is an analogue output. A version with built-in data logger is available.

The OxyGuard CO2 measures the free dissolved CO2 directly and is not affected by carbonates or other dissolved substances. It is the free dissolved CO2 – in other words the CO2 gas partial pressure – that affects the fish. The OxyGuard CO2 thus gives simple, continuous and direct measurements of the amount of carbon dioxide in the water that will affect the fish.

The analyser is easy to calibrate using the front panel "slope" and "zero" adjustments – after which you just put the probe in the water and measure. There is a salinity adjustment. Calibration intervals are long, and the OxyGuard CO2 does NOT need regular maintenance.

- > Measures directly in water
- > Does not consume CO2 in the sample
- > pH is not the basis of calculation



OxyGuard®

DESCRIPTION:

The OxyGuard CO2 Portable Dissolved Carbon Dioxide Analyser consists of a probe and a battery powered transmitter. The unit has a display and an analog signal as an output. The probe, as standard comes with a 3 metre cable. The transmitter has an on/off switch, "slope" and zero adjustments and is supplied with a battery charger and calibration accessories.

SPECIFICATIONS:

Size: Probe: 40mm dia x 140mm.

Meter: 170 x 160 x 83mm. Calibration beaker 65 mm dia x 260.

Cable: 3 meter.

Mass: Approx 6 kg including charger and cal. kit.

Supply to Charger: 240 VAC

Operating Temp: 3-35C.

Accuracy: Depends on calibration. Expected practical Accuracy +/- 2mg/L.

Response Time: Better than 10 minutes at 20C.

Flow requirements: The instrument does not consume carbon dioxide for its measurements, but a certain flow is necessary to ensure that the sensing element of the probe is equilibrium with the surrounding water to avoid "spot" measurements.

SPECIFICATIONS AND PRICES SUBJECT TO CHANGE WITHOUT NOTICE

ORDERING INFORMATION

G02C2P: OxyGuard CO2 Portable Dissolved CO2 Analyser with a probe cable length of 3M transmitter and calibration accessories. Charger for 230VAC.

G02C2PLOG: As above but with 15000 cell data logger built into the analyser.