

OxyGuard Model C02 Portable Dissolved CO₂ Analyser



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

Direct Measurement

The OxyGuard CO₂ analyser measures the CO₂ gas pressure directly and is not affected by carbonates or other dissolved substances. It is therefore now possible, for the first time, to achieve simple, continuous direct measurements of carbon dioxide in water that affects fish.

Previously test kits, laboratory analysis or the detection of pH changes was used in an attempt to measure carbon dioxide in water. All of these methods are subject to disturbances from the dissolved substances found in aquaculture water. The OxyGuard CO₂ Analyser measures only the CO₂ that affects the fish, which is the free CO₂ gas. The analyser is reliable, accurate and economical to use.

Specifications

Size:	Probe: 40mm dia x 140mm. Cable 3 meter. Meter: 170 x 160 x 83mm. Calibration beaker 65 mm dia x 260.
Mass:	Approx 6 kg including charger and cal. kit.
Supply to Charger:	240 VAC (115 VAC on request).
Operating conditions:	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

Ordering Information

G02C2P	OxyGuard CO ₂ Portable Dissolved CO ₂ 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.

Description

The OxyGuard CO₂ Portable Dissolved Carbon Dioxide Analyser consists of a probe and a battery powered transmitter. The latter 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. A battery Charger and calibration accessories i.e. calibration beaker with stirrer, calibration fluid, calibration conditioner and dosing syringe are included as standard.

Specifications and prices subject to change without notice