

oxygen monitoring



OxiQuant S Oxygen Analyser

Used to determine oxygen concentrations in gas mixtures, delivered by oxygen concentrators, blenders...

ENVITEC
by Honeywell



- Flexible manual calibration
- Auto-off (after 3 minutes)
- Response time: <13 seconds to 90% of value
- Sensor (with integrated battery) can be replaced

The OxiQuant S oxygen analyser is used to determine oxygen concentrations in gas mixtures. It can be used to monitor gas supply equipment in industry and hospitals or to check breathing mixtures in diving systems (Nitrox and Trimix mixtures).

Its compact dimensions, low weight, easy handling and calibration make the device particularly suitable for mobile applications.

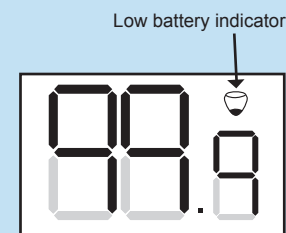
The OxiQuant S is neither designed for personal protection nor for monitoring medical breathing air in direct contact with patients. It must not be used for the preparation of gas mixtures, but to monitor them.



 **VIAMED**

OxiQuant S Oxygen Analyser

Measuring Range Oxygen	0 - 100% O ₂
Display Resolution	0.1% oxygen
Precision	< 1% volume O ₂ , when calibrated at 100% vol.O ₂
Offset	< 1% volume O ₂ in 100% N ₂
Response time	< 13 seconds to 90% of final value
Linearity error	< 3% relative
Drift	< 1% volume O ₂ over 8 hours
Cross-sensitivity	< 1% volume O ₂ in reaction to: 10% CO ₂ , rest N ₂ 80% N ₂ O, rest N ₂ 7.5% halothane, rest N ₂ 7.5% isoflurane, rest N ₂ 7.5% enflurane, rest N ₂ 9% sevoflurane, rest N ₂ 20% desflurane, rest N ₂
Effect of humidity	< 1% O ₂ between 0 and 100% RH at 25°C
Effect of pressure	Proportional to the change in oxygen partial pressure
Operational pressure range	750 - 1250 hPa
Sensitivity to impact	< 1% relative after falling from a height of 1m
Temperature Operating temperature Temperature compensation Operating humidity Storage temperature Recommended storage	0°C – 50°C Integrated NTC compensation 0 – 99% RH -20°C – 50°C 5°C – 15°C
Sensor life	>500,000 % oxygen hours
Battery service life	approximately 1100 operating hours (battery integrated in sensor)
Weight Dimensions	Approximately 90g 92 mm (L) x 57 mm (D)
Warranty	Analyser 24 months, sensor 15 months
Part Numbers Envitec OxiQuant S Oxygen Analyser Standard accessories included:	0111275



3 digit display

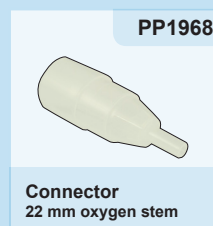
Over range

At oxygen concentrations above 99.9% the concentration is displayed without a decimal place number or decimal point.

For example:

1 0 0 corresponds to 100% O₂

1 0 1 corresponds to 101% O₂



* in accordance with ISO 9919:2005 Standards.

Specifications Subject to Change



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