



The OxyGuard oxygen meter is used to determine and monitor the oxygen concentration in breathing gas mixtures in medical applications. The OxyGuard can be used for the functional monitoring of the breathing gas mixtures of anesthesia and respiratory protective devices, as well as baby incubators.

Indication

The oxygen content of a breathing gas shall be monitored.

Contraindications

Not suitable for personal protection. Not for monitoring during the production of gas mixtures.

Safety index for patients and users:

Device

Internal battery-operated device

Fulfilled international standards

EN ISO 80601-2-55, DIN EN 60601-1, EN ISO 14971

CE-Certification

13485: 2016 certification

Technical Data	Specification
Gas type	Oxygen
Measuring range	18% up to 100% of Oxygen in Gas mixtures
Response time	< 12 sec. at 90% of final value
Display accuracy	<1% vol. O ₂ , when calibrated to 100 % vol.O ₂
Accuracy	<1% vol. O ₂ , when calibrated to 100 % vol. O ₂
Linearity error	< 3% relative deviation to the characteristic curve
Drift	< 1% vol. O ₂ over 8 hours
Cross-sensitivity	< 0.1% vol. O ₂ in reaction to: 10 % CO ₂ residual N ₂ 80% N ₂ O residual N ₂ 7.5% Halothane residual N ₂ 7.5% Isoflurane residual N ₂ 7.5% Enflurane residual N ₂ 9% Sevoflurane residual N ₂ 20% Desflurane residual N ₂
Alarm	Visual and audible alarm
Alarm limits	18 –101% (manual alarm override 16–103%)
Mute alarm function	30 sec.
Autosetfunction	±2% of the current measured value
Offset voltage	< 200 µV in 100 % nitrogen over 5 min
Operating temperature	+5°C -+50°C / 41°F -122°F
Dimensions W*D*H	61 x 110 x 92 mm
Weight	500g with 3* Typ AAABatteries
Compatible oxygen sensor	OOM111by EnviteC Wismar GmbH by Honeywell
Expected use of sensor life	Minimum over 1,000,000 O ₂ Hours

