

WestPrime has been distributing and producing highly specialised medical devices for the healthcare industry for almost 15 years.

Technical specifications

Measuring range:	0-100% oxygen
Display accuracy:	0.1% oxygen
Accuracy:	< 1% vol. O ₂ , if calibrated with 100% vol. O ₂
Offset:	< 1% vol. O ₂ in 100% N ₂
Response time:	90% of final value in < 12 sec.
Linearity error:	< 3% relative
Drift:	< 1% vol. O ₂ over 8 hours
Cross sensitivity:	in compliance with DIN EN ISO 21647
Operating humidity:	0 - 99% relative humidity (non-condensing)
Effect of humidity:	0.03% relative per % RH
Ambient pressure:	750 to 1250 hPa
Effect of pressure:	proportional to change in oxygen partial pressure
Sensitivity to impact:	< 1% relative after drop from 1m
Operating temperature:	0°C - 50°C
Temperature compensation:	integrated NTC compensation in the sensor
Storage temperature:	-20°C - 70°C (device), -20°C - 50°C (sensor)
Recommended storage (sensor):	5°C - 15°C
Sensor type:	OOM 111 (galvanic oxygen sensor)
Sensor life:	> 1.000.000 % O ₂ h
Battery:	Li-ion 3.6 V 2900 mAh
Operating time per charge:	> 24 hours (at standard settings)
Charger:	USB, Protection Class II, Input: AC 110V - 230V/ 50 - 60 Hz/125mA, Output : DC 5V / 1,5 A
Charge time:	approx. 4 hours
Display:	2.8" multicolour TFT (240 x 320 dots)
Dimensions (device):	160 x 72 x 39 mm (H x W x D)
Cable length:	coiled cable 0.5 m (max. 2.5 m)
Protection class:	IP 54
Impact resistance:	IK 05
Weight:	330g (with sensor)
Interface:	USB 2.0
Alarm functions:	monitoring of alarm limits and device functions (optical and acoustic)
Alarm limits:	adjustable between Upper limit: 20% - 103% Lower limit: 18% - 101%
Data storage:	max. 96 hours (measurement series) reading date, time, alarm limits, events
Personalisation:	device and data set (e.g. name, station patient ID)
Protection Class:	II, Type BF
Standards:	The device complies with the requirements of MDD 93/42/EEC for medical devices and the applicable standards. Also in compliance with: DIN EN 1789 Medical vehicles and their equipment - Road ambulances
Class:	Ila
Conformity:	CE 0123

All specifications apply to standard conditions:
Ambient pressure 1013 hPa, 25°C dry ambient air.

Specifications subject to change.

Contact us!

Do you have any questions or special requirements? Would you like to request a consultation appointment or a quote? We look forward to hearing from you!!



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