

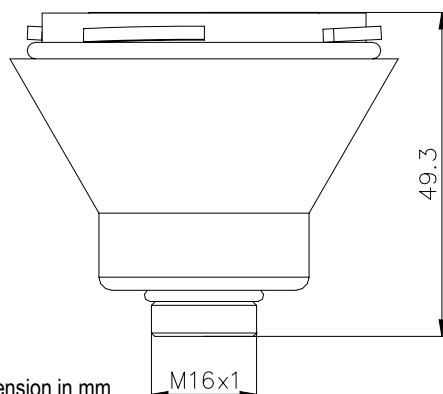
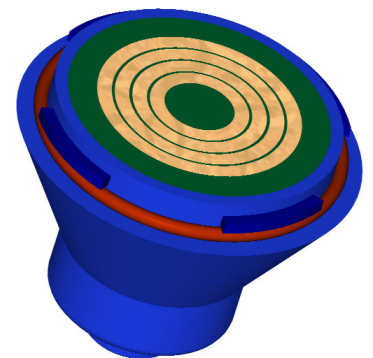
Oxygen Sensor for OxiQuant S 00I103

All specifications are applicable at standard conditions:
1013 hPa, 25°C dry ambient air

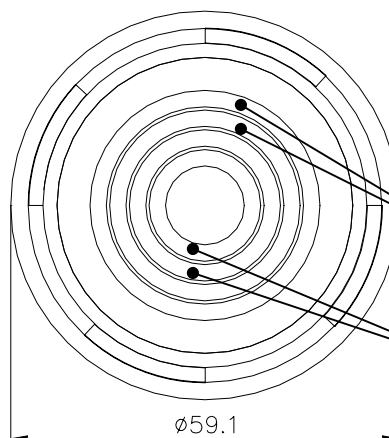
Measurement Range:	0-100 % oxygen
Output in ambient air:	9-15 mV
Electrical Interface:	slip rings (3,2V-battery built-in for OxiQuant S)
Accuracy and Repeatability:	<1% vol. O ₂ , when calibrated at 100% vol.O ₂
Response time:	< 13 seconds to 90 % of final value
Cross Interference:	< 0.1 % vol. oxygen response to: 15 % CO ₂ balance N ₂ 10 % CO balance N ₂ < 0.5 % oxygen response to: 80 % N ₂ O balance N ₂ 7,5 % Halothane balance N ₂ 7,5 % Isoflurane balance N ₂ 7,5 % Enflurane balance N ₂ 9 % Sevoflurane balance N ₂ 20 % Desflurane balance N ₂
Influence of Humidity:	- 0.03 % rel. per % RH at 25°C
Influence of Pressure:	proportional to change in oxygen partial pressure
Temperature Compensation:	built-in NTC compensation
Effect of Temperature-Compensation (steady state):	between 25°C and 40°C: 3% relative error between 0°C and 50°C: 8% error
Operating Temperature:	0 - 50°C
Operating Humidity:	0-99 % RH non-condensing
Long Term Output Drift:	< 1 % oxygen per month typically < - 15 % relative over lifetime
Storage Temperature:	-20 - 50°C
Recommended Storage:	5 – 15°C
Warm-Up Time:	< 30 minutes, after replacement of sensor
Weight:	approximately 45 grams

Use the advantages of ENVITEC's Oxygen Sensors

- Designed and manufactured according to EN ISO 9001 / 7.94
- Accurate and reliable response
- Resistant to N₂O contamination
- Excellent repeatability and signal stability
- Highest product quality
- Short lead times
- Technical support
- 15 months warranty (without battery)



Dimension in mm



slip rings of battery

slip rings of sensor

ENVITEC-WISMAR GMBH

Alter Holzhafen 18
D-23966 Wismar

Phone: +49-(0) 3841- 360 1

Fax: +49-(0) 3841- 360 222

E-Mail: oxisens@envitec.com

<http://www.envitec.com>