

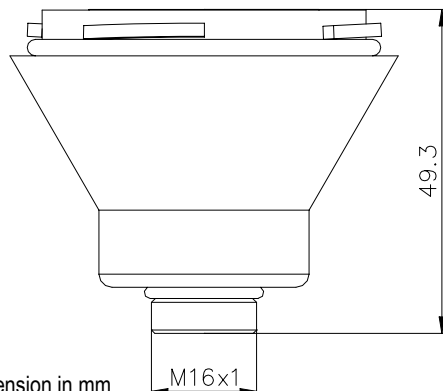
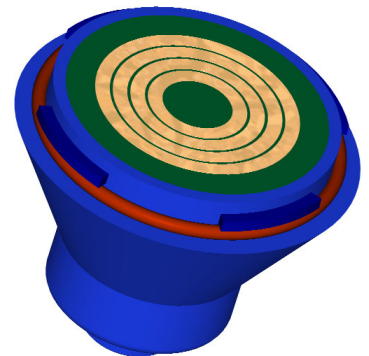
## Oxygen Sensor for OxiQuant S 00I103

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

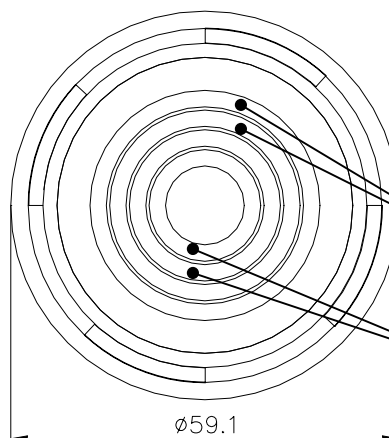
<b>Measurement Range:</b>	0-100 % oxygen
<b>Output in ambient air:</b>	9-15 mV
<b>Electrical Interface:</b>	slip rings (3,2V-battery built-in for OxiQuant S)
<b>Accuracy and Repeatability:</b>	<1% vol. O <sub>2</sub> , when calibrated at 100% vol.O <sub>2</sub>
<b>Response time:</b>	< 13 seconds to 90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

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