

Measurement Range:	0-100 % oxygen
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % O ₂
Zero Offset:	< 0,5 % vol. O ₂ in 100% N ₂ , applied 5 minutes
Linearity Error:	< 3 % relative
Cross Interference:	< 0.5 % vol. O ₂ response to: 10 % CO ₂ balance N ₂ 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 - 0.03 % rel. per % RH at 25°C
Influence of Humidity:	proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	built-in NTC compensation (see below)
Temperature Compensation:	between +5 °C and +25 °C: 3 % relative error
Effect of Temperature Compensation (steady state):	between 0 °C and +50 °C: 5 % relative error
Operating Humidity:	0-99 % RH non-condensing
Long Term Output Drift:	< 1 % vol oxygen per month typically < - 15 % relative over lifetime
Storage Temperature:	-20 to +50 °C
Recommended Storage:	+5 to +15 °C
Recommended Load:	≥ 10 kOhms
Warm-Up Time:	< 30 minutes, after replacement of sensor
Weight:	approximately 28 grams approximately 43 grams OOM107 series
Warranty Period:	15 months

Use the advantages:

- Meet EN ISO 21647
- Designed and manufactured according to EN ISO 9001 : 2000 and EN 13485 : 2003
- Accurate and reliable response
- Resistant to N₂O
- Excellent signal stability
- High product quality
- Short lead times
- Technical support

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

Oxygen Sensor Type	Output Signal in Air	Response Time [T _{90%}]	Nominal Sensor Lifetime	Electrical Interface
OOM101	46µA to 63µA no temperature compensation	< 12 seconds	≥ 500.000 % volume oxygen hours	Gold plated slip rings
OOM102	9mV to 14mV temperature compensation	< 12 seconds	≥ 1.000.000 % volume oxygen hours	3pin molex®
OOM102-1	9mV to 14mV temperature compensation	< 12 seconds	≥ 1.000.000 % volume oxygen hours	3,5mm Mono Jack
OOM103	9mV to 13mV temperature compensation	< 5 seconds	≥ 500.000 % volume oxygen hours	3pin molex®
OOM103-1	9mV to 13mV temperature compensation	< 5 seconds	≥ 500.000 % volume oxygen hours	3,5mm Mono Jack
OOM103-1M	9mV to 13mV temperature compensation	< 5 seconds	≥ 500.000 % volume oxygen hours	Switchcraft® Mini Power Jack
OOM104	24µA to 32µA no temperature compensation	< 12 seconds	≥ 750.000 % volume oxygen hours	Gold plated slip rings
OOM105	Teledyne® TED range	< 5 seconds	≥ 500.000 % volume oxygen hours	molex® plug 4P4C
OOM106	9mV to 13mV temperature compensation	< 12 seconds	≥ 1.000.000 % volume oxygen hours	3pin molex®
OOM107	170µA to 230µA no temperature compensation	< 12 seconds	≥ 250.000 % volume oxygen hours	Gold plated slip rings
OOM107-2	170µA to 230µA no temperature compensation	< 12 seconds	≥ 250.000 % volume oxygen hours	Gold plated slip rings
OOM110	9mV to 13mV temperature compensation	< 12 seconds	≥ 1.000.000 % volume oxygen hours	Modular Jack 6P4C
OOM111	9mV to 13mV temperature compensation	< 12 seconds	≥ 1.000.000 % volume oxygen hours	3,5mm Stereo Jack
OOM201	24µA to 32µA (Dual Cathode) no temperature compensation	< 12 seconds	≥ 500.000 % volume oxygen hours	Gold plated slip rings
OOM202	13mV to 16mV temperature compensation	< 12 seconds	≥ 1.000.000 % volume oxygen hours	3pin molex®
OOM202-1	13mV to 16mV temperature compensation	< 12 seconds	≥ 1.000.000 % volume oxygen hours	3,5mm Mono Jack
OOM202-2	9mV to 13mV temperature compensation	< 12 seconds	≥ 1.000.000 % volume oxygen hours	flying leads with 3pin female molex® connector
OOM202-2S	9mV to 11,5mV temperature compensation	< 12 seconds	≥ 1.000.000 % volume oxygen hours	AMP MATE-N-LOK / 2 circuit
OOM204	9mV to 13,5mV (Dual Cathode) temperature compensation	< 12 seconds	≥ 500.000 % volume oxygen hours	3pin molex®