

General Specifications

Medical Oxygen Sensors



Measurement Range: Accuracy and Repeatability: Zero Offset: Linearity Error: Cross Interference: 0-100% oxygen
 < 1 % vol. O₂ when calibrated at 100 % O₂
 < 0,5 % vol. O₂ in 100% N₂, applied 5 minutes
 < 3 % relative
 < 0.5 % vol. O₂ response to:
 10% CO₂ balance N₂
 80% N₂O balance N₂
 7.5% Halothane balance N₂
 7.5 % Isoflurane balance N₂
 7.5 % Enflurane balance N₂
 9% Sevoflurane balance N₂
 20% Desflurane balance N₂

Influence of Humidity: - 0.03 % rel. per % RH at 25°C
Influence of Pressure: proportional to change in oxygen partial pressure
 < 1% relative after a fall from 1 m

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: Long Term Output Drift: 0-99 % RH non-condensing
 < 1 % vol oxygen per month
 typically < -15 % relative over lifetime

Storage Temperature: -20 to +50 °C
Recommended Storage: +5to+15 °C >
Recommended Load: IOkOhms
Warm-UpTime: Weight: < 30 minutes, after replacement of sensor
 approximately 28 grams
 approximately 43 grams OOM107 series
 15 months

Warranty Period:

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

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

Oxygen Sensor	Output Signal in Air	Response Time [90%]	Nominal Sensor Lifetime	Electrical Interface
OOM101	46uA to 63uA no temperature compensation	<12 seconds	500.000 % volume oxygen hours	Gold plated slip rings
OOM102	9mVto 14mV temperature compensation	<12 seconds	1.000.000 % volume oxygen hours	3pin molex®
OOM102-1	9mVto 14mV temperature compensation	<12 seconds	1.000.000 % volume oxygen hours	3,5mm Mono Jack
OOM103	9mVto 13mV temperature compensation	< 5 seconds	500.000 % volume oxygen hours	3pin molex®
OOM103-1	9mVto 13mV temperature compensation	< 5 seconds	500.000 % volume oxygen hours	3,5mm Mono Jack
OOM103-1M	9mVto 13mV temperature compensation	< 5 seconds	500.000 % volume oxygen hours	Switchcraft® Mini Power Jack
OOM104	24uAto32uA 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	9mVto 13mV temperature compensation	<12 seconds	1.000.000 % volume oxygen hours	3pin molex®
OOM107	170nAto230nA no temperature compensation	<12 seconds	250.000 % volume oxygen hours	Gold plated slip rings
OOM107-2	170nAto230nA no temperature compensation	<12 seconds	250.000 % volume oxygen hours	Gold plated slip rings
OOM110	9mVto 13mV temperature compensation	<12 seconds	1.000.000 % volume oxygen hours	Modular Jack 6P4C
OOM111	9mVto 13mV temperature compensation	<12 seconds	1.000.000 % volume oxygen hours	3,5mm Stereo Jack
OOM201	24uA to 32uA (Dual Cathode) no temperature compensation	<12 seconds	500.000 % volume oxygen hours	Gold plated slip rings
OOM202	13mVto 16mV temperature compensation	<12 seconds	1.000.000 % volume oxygen hours	3pin molex®
OOM202-1	13mVto 16mV temperature compensation	<12 seconds	1.000.000 % volume oxygen hours	3,5mm Mono Jack
OOM202-2	9mVto 13mV temperature compensation	<12 seconds	1.000.000 % volume oxygen hours	flying leads with 3pin female molex® connector
OOM202-2S	9mVto11,5mV 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®

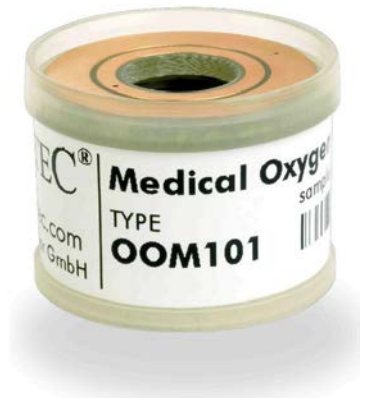
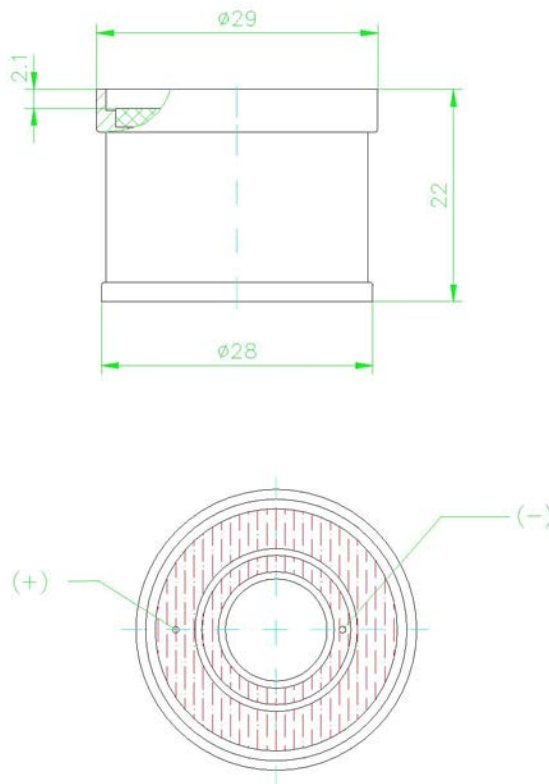
Product Specification
Oxygen Sensor 00MI01

Measurement Range:	Output in ambient air: 0-100% oxygen
Electrical Interface:	14 to 20 mV, load 300 Ohms
Accuracy and Repeatability:	Gold plated slip rings < 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time:	Zero < 12sec. to 90% of final value
Offset Voltage:	< 200 mV in 100% nitrogen applied after 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03%rel.per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to +50°C
Operating Temperature:	No temperature compensation
Temperature Compensation:	0-99 % RH non-condensing
Operating Humidity:	< 1 % vol. oxygen per month typically < -15 % relative over lifetime
Long Term Output Drift:	-20 to +50 °C
Storage Temperature:	+5to+15°C
Recommended Storage:	> 10kOhms
Recommended Load:	> 10kOhms
Warm-Up Time:	< 30 minutes, after replacement of sensor
Nominal Sensor Lifetime:	> 500.000 % vol. oxygen hours
Weight:	approximately 28 grams
Part No.:	01-00-0013

Use the advantages:

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

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



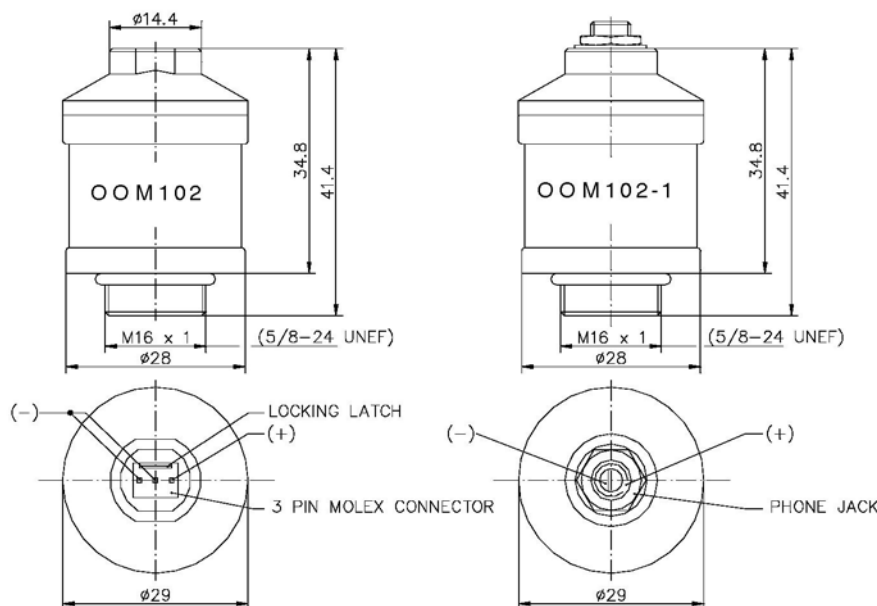
Oxygen Sensor 00MI02 / 00MI 02-1

Measurement Range:	0-100% oxygen
Output in ambient air:	9 to 14mV
Electrical Interface:	OOM102: 3pin (Molex 22-11-1031) 00M102-1:3,5mm Mono Jack
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero	< 12sec. to 90% of final value
Offset Voltage:	< 200 mV in 100% nitrogen applied after 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03%rel.per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	built-in NTC compensation between +25°C and +40°C: 3 % relative error between 0 °C and +50 °C: 8 % relative error 0-99 % RH non-condensing
Temperature Compensation:	
Effect of Temperature Compensation (steady state):	< 1 % vol. oxygen per month
Operating Humidity: Long Term	typically < -15 % relative over lifetime
Output Drift:	-20 to +50 °C
Storage Temperature:	+5to+15°C
Recommended Storage:	> 10kOhms
Recommended Load:	< 30 minutes, after replacement of sensor
Warm-Up Time: Nominal	> 1.000.000 % vol. oxygen hours
Sensor Lifetime: Weight:	approximately 28 grams
Part No.:	01-00-0019/OOM102 01-00-0020/OOM102-1

Use the advantages:

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

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



Product Specification

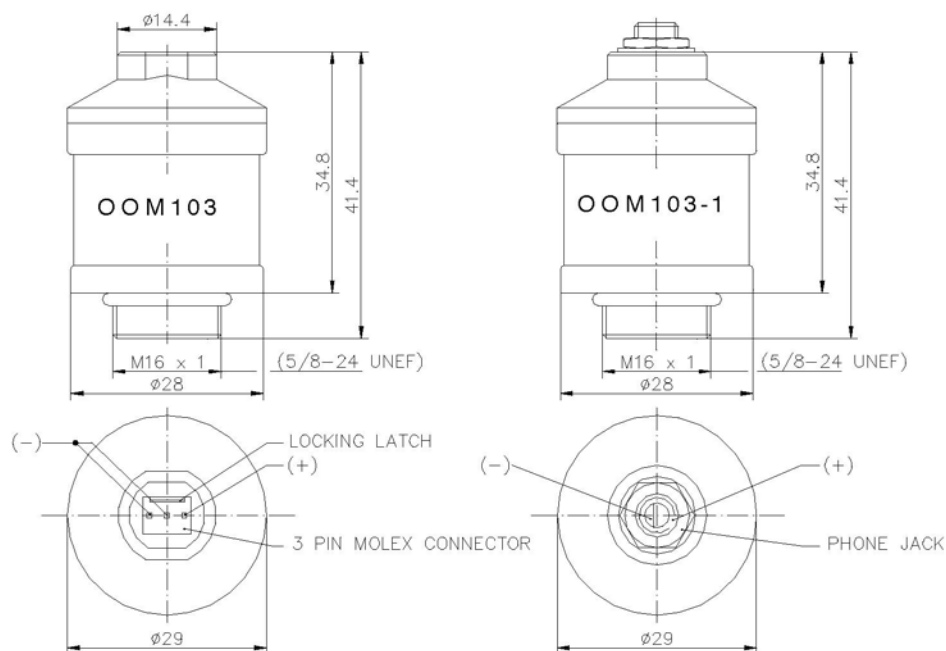
Oxygen Sensor OOM103/OOM103-1

ENVITEC

Measurement Range:	0-100% oxygen
Output in ambient air:	9 to 13mV
Electrical Interface:	OOM103: 3pin (Molex 22-11-1031) OOM103-1: 3,5mm Mono Jack
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero	< 5sec. to 90 % of final value
Offset Voltage:	< 100 μ V in 100 % nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03 % rel. per % RH at 25-C
Influence of Pressure:	proportional to change in oxygen partial pressure
Influence of Mechanical Shock:	< 1% relative after a fall from 1m
Operating Temperature:	0 to 50-0
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: 0.8% 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
Nominal Sensor Lifetime:	> 500.000 % vol. oxygen hours
Weight:	approximately 28 grams
Part No.:	01-00-0015/OOM103 01-00-0016/OOM103-1

Use the advantages:

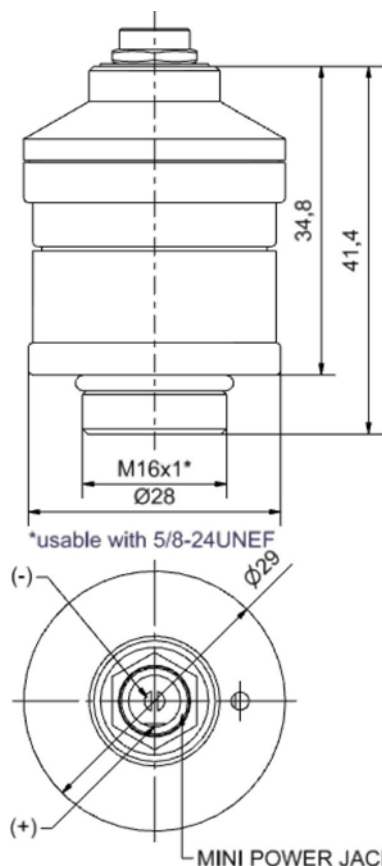
- Meet EN ISO 21647
- Designed and manufactured according to EN ISO 9001 and EN ISO 13485
- Accurate and reliable fast response
- Resistant to N₂O
- Excellent signal stability
- High product quality
- Short lead times
- Technical support



Oxygen Sensor OOM103-1M

Measurement Range:	0-100% oxygen
Output in ambient air:	10 to 13mV
Electrical Interface:	Switchcraft® Mini Power Jack
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero	< 5sec. to 90 % of final value
Offset Voltage:	< 100µV in 100 % nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03 % rel. per % RH at 25°C
Influence of Pressure:	proportional to change in oxygen partial pressure
Influence of Mechanical Shock:	< 1% relative after a fall from 1m
Operating Temperature:	0 to 50°C
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% relative error
Operating Humidity: Long Term Output Drift:	0-99 % RH non-condensing < 1 % vol. oxygen per month typically < -15 % relative over lifetime
Storage Temperature:	-20 to +50 °C
Recommended Storage:	+5 to +15 °C
Recommended Load: Warm-Up Time:	> 10 kOhms < 30 minutes, after replacement of sensor
Nominal Sensor Lifetime:	> 500.000 % vol. oxygen hours
Weight:	approximately 28 grams
Part No.:	01-00-0090

- Use the advantages:**
- Meets EN ISO 21647
 - Designed and manufactured according to EN ISO 9001 and EN ISO 13485
 - Accurate and reliable fast response
 - Resistant to N₂O
 - Excellent signal stability
 - High product quality
 - Short lead times
 - Technical support



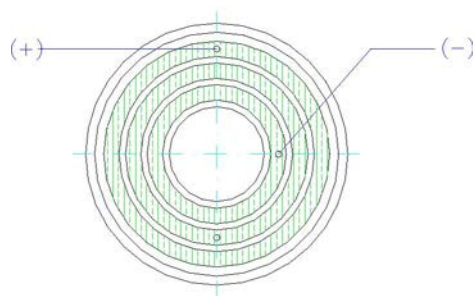
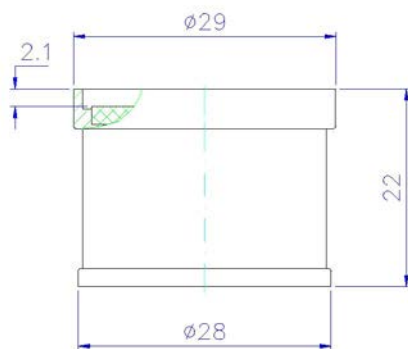
Product Specification
Oxygen Sensor 00MI04



Measurement Range: Output in ambient air:	0-100% oxygen
Electrical Interface:	14 to 20 mV, load 600 Ohms
Accuracy and Repeatability:	Gold plated slip rings < 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero Offset Voltage:	< 12sec. to 90% of final value < 200 mV in 100% nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03%rel.per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	No temperature compensation
Temperature Compensation:	0-99 % RH non-condensing
Operating Humidity: Long Term Output Drift:	< 1 % vol. oxygen per month typically < -15 % relative over lifetime -20 to +50 °C
Storage Temperature:	+5to+15°C
Recommended Storage:	> 10kOhms
Recommended Load:	< 30 minutes, after replacement of sensor
Warm-Up Time: Nominal Sensor Lifetime: Weight:	> 750.000 % vol. oxygen hours approximately 28 grams
Part No.:	01-00-0049

Use the advantages:

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



Product Specification

Oxygen Sensor OOM105

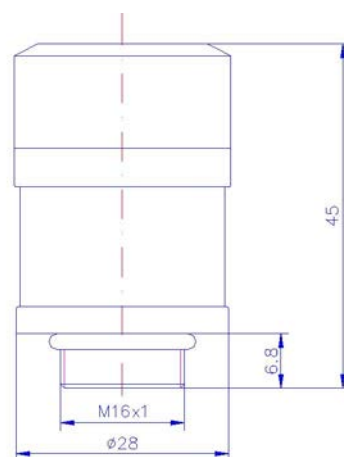
ENVITEC
by Honeywell

Measurement Range:	Output in ambient air: 0-100% oxygen
Electrical Interface:	Compatible with Teledyne® T-7 sensor Molexplug4P4C
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time:	Zero < 5sec. to 90 % of final value
Offset Voltage:	< 100uVin 100% nitrogen applied after 5 min
Cross Interference:	Meets EN ISO 21647 requirements - 0.03 % rel. per % RH at 25°C proportional to change in oxygen partial pressure
Influence of Humidity:	< 1% relative after a fall from 1 m
Influence of Pressure:	0 to 50°C
Influence of Mechanical Shock:	built-in NTC compensation between +25 °C and +40 °C: 3 % relative error between 0 °C and +50 °C: 8 % relative error 0-99 % RH non-condensing
Operating Temperature:	< 1 % vol oxygen per month typically < -15 % relative over lifetime
Temperature Compensation:	-20 to +50 °C
Effect of Temperature Compensation (steady state):	+5to+15 °C
Operating Humidity:	< 30 minutes, after replacement of sensor
Long Term Output Drift:	> 500.000 % vol oxygen hours
Storage Temperature:	approximately 28 grams
Recommended Storage:	
Warm-Up Time:	
Nominal Sensor Lifetime:	
Weight:	
Part No.:	01-00-0053

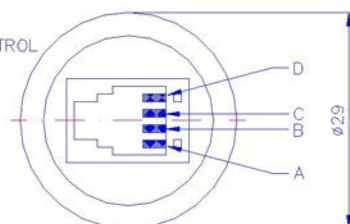
Use the advantages:

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

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



A: NO CONNECTION
B: (+)
C: (-)
D: TEMPERATURE CONTROL



Product Specification

Oxygen Sensor OOM106

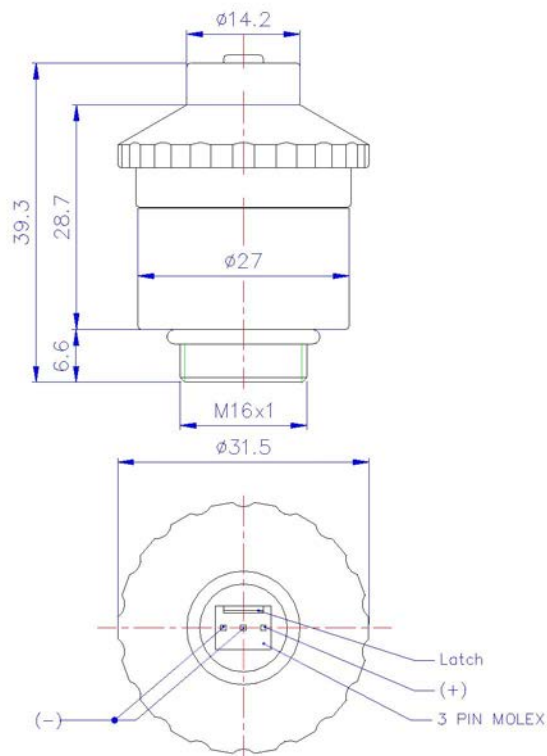
ENVITEC
by Honeywell

Measurement Range: Output in ambient air: Electrical Interface: Accuracy and Repeatability:	0-100% oxygen 9 to 13mV 3pin (Molex 22-11-1031) < 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero Offset Voltage:	< 12sec. to 90 % of final value <200uVin 100% nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements - 0.03 % rel. per % RH at 25°C proportional to change in oxygen partial pressure
Influence of Humidity:	< 1% relative after a fall from 1 m
Influence of Pressure:	0 to 50°C
Influence of Mechanical Shock:	built-in NTC compensation between +25 °C and +40 °C: 3 % relative error between 0 °C and +50 °C: 8 % relative error 0-99 % RH
Operating Temperature:	non-condensing
Temperature Compensation:	< 1 % vol. oxygen per month
Effect of Temperature Compensation (steady state):	typically < -15 % relative over lifetime
Operating Humidity: Long Term Output Drift:	-20 to +50 °C
Storage Temperature:	+5to+15°C
Recommended Storage:	> 10kOhms
Recommended Load:	< 30 minutes, after replacement of sensor
Warm-Up Time: Nominal Sensor Lifetime: Weight:	> 1.000.000 % vol. oxygen hours approximately 28 grams
Part No.:	01-00-0091

Use the advantages:

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

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



Product Specification

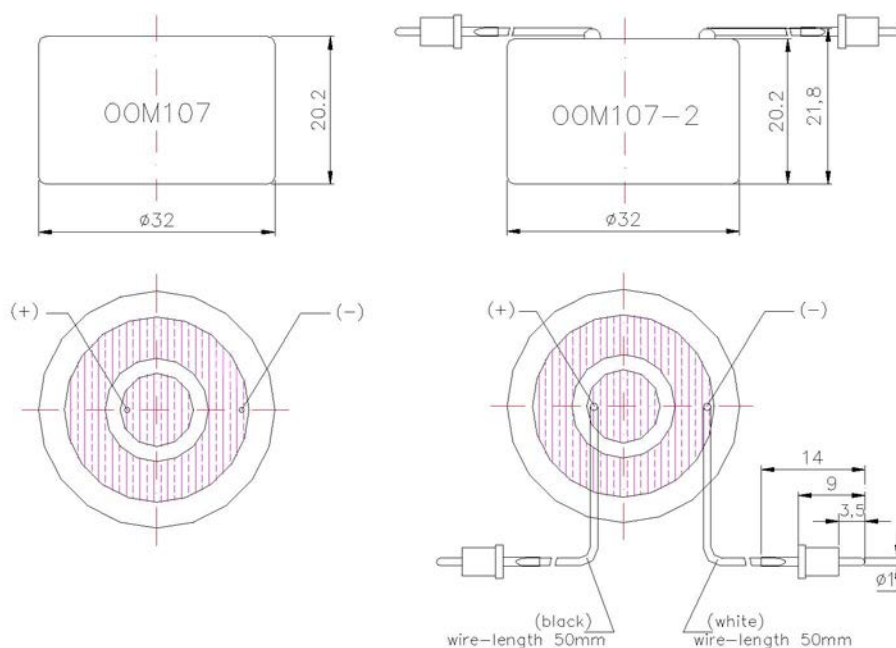
Oxygen Sensor 00MI07 / 00MI 07-2

ENVITEC
by Honeywell

Measurement Range: Output in ambient air: Electrical Interface: Accuracy and Repeatability:	0-100% oxygen 170to230MA Gold plated slip rings < 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero Offset Voltage:	< 12sec. to 90% of final value < 200 mV in 100% nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03%rel.per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	No temperature compensation
Temperature Compensation:	0-99 % RH non-condensing
Operating Humidity: Long Term Output Drift:	< 1 % vol. oxygen per month typically < -15 % relative over lifetime
Storage Temperature:	-20 to +50 °C
Recommended Storage:	+5to+15°C
Recommended Load:	> 10kOhms
Warm-Up Time: Nominal Sensor Lifetime: Weight:	< 30 minutes, after replacement of sensor > 250.000 % vol. oxygen hours approximately 43 grams
Part No.:	01-00-0058/OOM107 01-00-0080/OOM107-2

Use the advantages:

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



Oxygen Sensor 00MI09 / 00MI 09-LF2

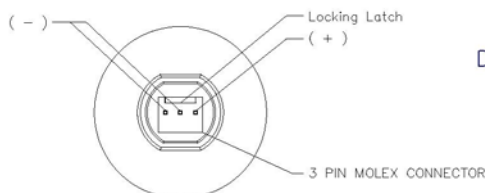
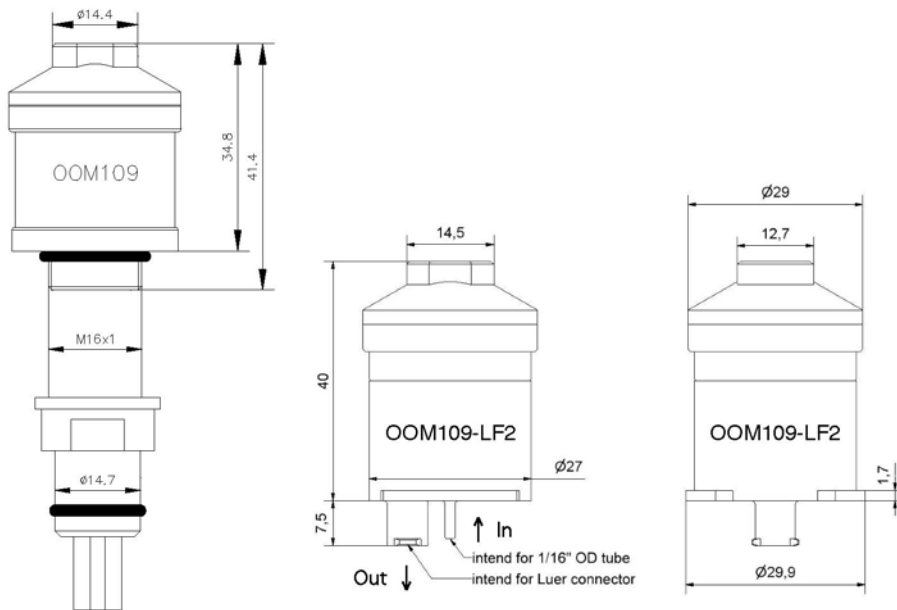
Measurement Range:	Output in ambient air: 0-100% oxygen
Electrical Interface:	9 to 13mV
Accuracy and Repeatability:	3pin (Molex 22-11-1031) < 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time:	Zero < 300msec. to 90 % of final value
Offset Voltage:	< 50 uV in 100 % nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03%rel.per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	built-in NTC compensation
Temperature Compensation:	between +25 °C and +40 °C: 3 % relative error
Effect of Temperature Compensation (steady state):	between 0 °C and +50 °C: 8 % 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:	+5to+15°C
Recommended Load:	> 10kOhms
Warm-Up Time:	< 30 minutes, after replacement of sensor
Nominal Sensor Lifetime:	> 200 000 % vol. oxygen hours
Weight:	approximately 28 grams
Part No.:	01-00-0085/OOM109 01-00-0116/OOM109-LF2

Fast Response Oxygen Sensor for Medical Breath by Breath Analysis

Use the advantages:

- Meets EN ISO 21647
- Designed and manufactured according to EN ISO 9001 :2000 and EN ISO 13485: 2003
- Accurate and reliable ultra fast response
- Resistant to N₂O
- Excellent signal stability
- High product quality
- OOM109: designed for main stream application
- OOM109-LF2: designed for side stream application
- Short lead times
- Technical support

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



Dimension in mm

Product Specification

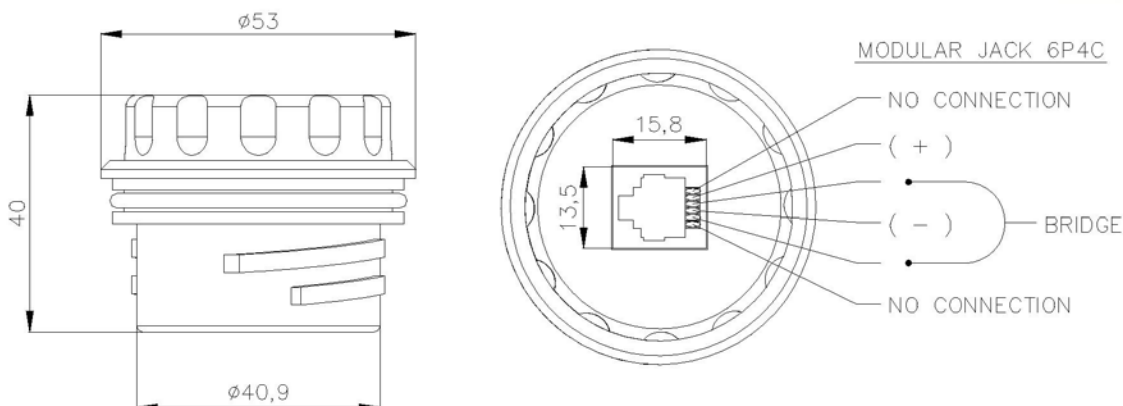
Oxygen Sensor OOM110

ENVITEC
by Honeywell

Measurement Range: Output in ambient air:	0-100% oxygen 10 to 12mV Modular
Electrical Interface:	Jack 6P4C
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero Offset Voltage:	< 12sec. to 90 % of final value
Cross Interference:	< 200 £7V in 100 % nitrogen applied after 5 min
Influence of Humidity:	Meets EN ISO 21647 requirements - 0.03 % rel. per % RH at 25-C
Influence of Pressure:	proportional to change in oxygen partial pressure
Influence of Mechanical Shock:	< 1% relative after a fall from 1m
Operating Temperature:	0 to 50-0
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: 0.8% 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
Nominal Sensor Lifetime:	> 1.000.000 % vol oxygen hours
Weight:	approximately 50 grams
Part No.:	01-00-0098

Use the advantages:

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



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

Product Specification

Oxygen Sensor 00MI 11

ENVITEC
by Honeywell

Measurement Range: Output in ambient air: Electrical Interface: Accuracy and Repeatability:	0-100% oxygen 11 to13mV Stereo phone jack (3,5mm) < 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero Offset Voltage:	< 12sec. to 90% of final value < 200 mV in 100% nitrogen applied after 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03%rel.per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	built-in NTC compensation between +25°C and +40°C: 3 % relative error between 0 °C and +50 °C: 8 % relative error 0-99 % RH non-condensing
Temperature Compensation: Effect of Temperature Compensation (steady state):	
Operating Humidity: Long Term Output Drift:	< 1 % vol oxygen per month typically < -15 % relative over lifetime -20 to +50 °C
Storage Temperature:	+5to+15°C
Recommended Storage:	> 10kOhms
Recommended Load:	< 30 minutes, after replacement of sensor
Warm-Up Time: Nominal Sensor Lifetime: Weight:	> 1.000.000 % vol oxygen hours approximately 28 grams
Sensor coding: Part No.:	Built-in data memory chip 01-00-0114

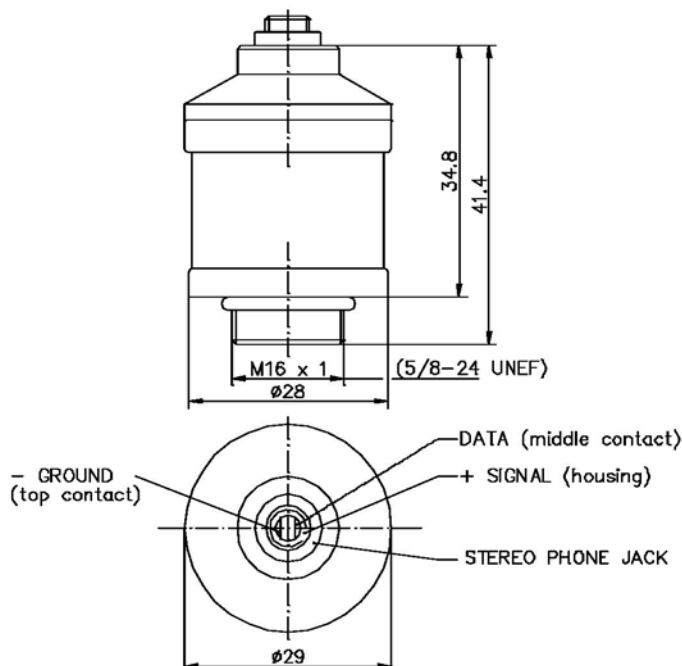
Use the advantages:

- Meets EN ISO 21647
- Designed and manufactured according to EN ISO 9001 :2000 and EN ISO 13485: 2003

Sensor coding integrated
Accurate and reliable response Resistant to N₂O
Excellent signal stability High product quality

Short lead times
Technical support

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



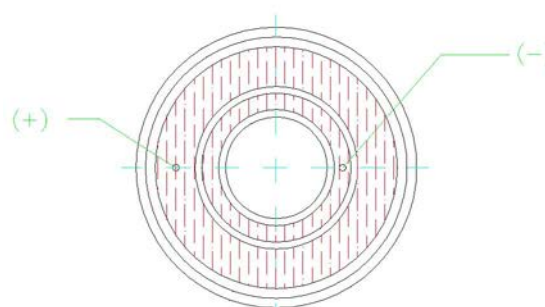
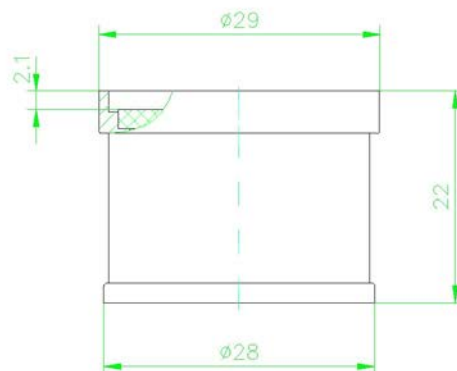
Product Specification
Oxygen Sensor OOM112

Measurement Range:	0-100% oxygen
Output in ambient air:	25 to 38 mV
Electrical Interface:	Gold plated slip rings
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative @ 70 % oxygen applied for 5 minutes
Response time: Zero Offset Voltage:	< 12sec. to 90 % of final value < 200 µV in 100 % nitrogen applied after 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03 % rel. per % RH at 25°C
Influence of Pressure:	proportional to change in oxygen partial pressure
Influence of Mechanical Shock:	< 1% relative after a fall from 1m
Operating Temperature:	0 to +50°C
Temperature Compensation:	Temperature compensation built-in
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: Warm-Up Time:	>10 kOhms < 30 minutes, after replacement of sensor
Nominal Sensor Lifetime:	> 500.000 % vol. oxygen hours
Weight:	approximately 28 grams
Part No.:	1001202

Use the advantages:

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

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



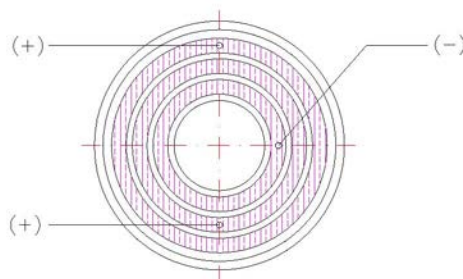
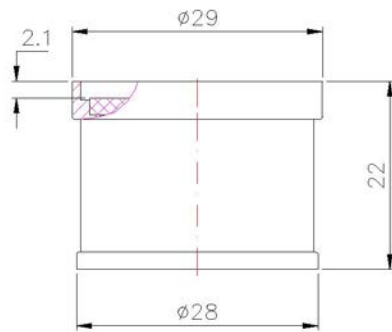
Product Specification
Oxygen Sensor OOM201



Measurement Range: Output in ambient air: Electrical Interface: Accuracy and Repeatability:	0-100% oxygen 14 to 20 mV (Dual Cathode), load 600 Ohms Gold plated slip rings < 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero Offset Voltage:	< 12sec. to 90% of final value < 200 mV in 100% nitrogen applied after 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03%rel.per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m 0 to 50°C
Influence of Mechanical Shock:	No temperature compensation 0-99 % RH non-condensing
Operating Temperature:	< 1 % vol. oxygen per month typically < -15 % relative over lifetime
Temperature Compensation:	-20 to +50 °C
Operating Humidity: Long Term Output Drift:	+5to+15°C > 10kOhms
Storage Temperature:	< 30 minutes, after replacement of sensor
Recommended Storage:	> 500.000 % vol. oxygen hours
Recommended Load:	approximately 28 grams
Warm-Up Time: Nominal Sensor Lifetime: Weight:	01-00-0014
Part No.:	

Use the advantages:

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



Product Specification

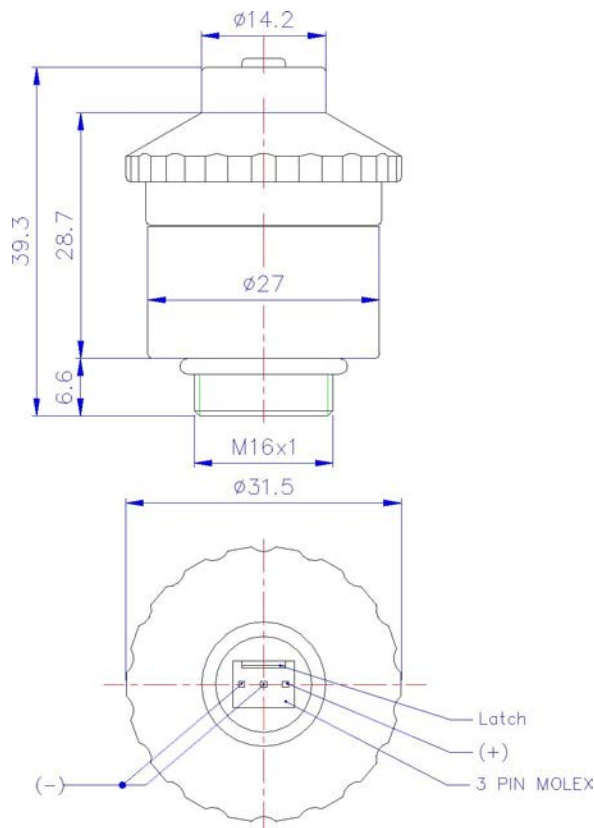
Oxygen Sensor OOM202

ENVITEC
by Honeywell

Measurement Range: Output in ambient air:	0-100% oxygen
Electrical Interface:	13to16mV
Accuracy and Repeatability:	3pin (Molex 22-11-1031) < 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 2 % relative
Response time: Zero	< 12 sec. to 90% of final value
Offset Voltage:	< 150 mV in 100% nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03%rel.per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	built-in NTC compensation between +25°C and +40°C: 3 % relative error between 0 °C and +50 °C: 8 % relative error 0-99 % RH non-condensing
Temperature Compensation:	
Effect of Temperature Compensation (steady state):	< 1 % vol oxygen per month
Operating Humidity: Long Term	typically < -15 % relative over lifetime
Output Drift:	-20 to +50 °C
Storage Temperature:	+5to+15°C
Recommended Storage:	> 10kOhms
Recommended Load:	< 30 minutes, after replacement of sensor
Warm-Up Time: Nominal	> 1.000 000 % vol oxygen hours
Sensor Lifetime: Weight:	approximately 28 grams
Part No.:	01-00-0047

Use the advantages:

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



Product Specification

Oxygen Sensor OOM202-1

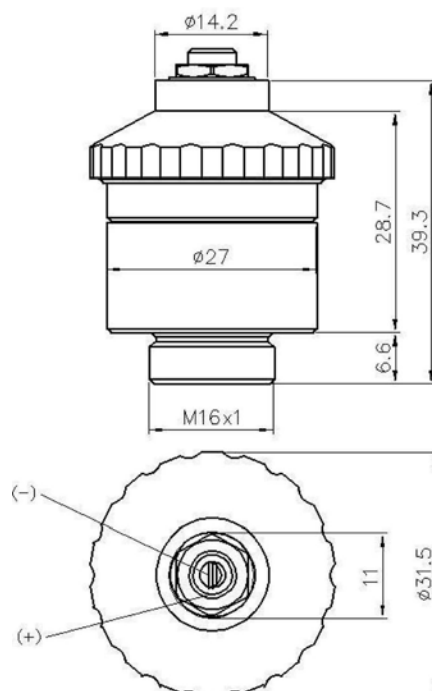
ENVITEC
by Honeywell

Measurement Range: Output in ambient air: Electrical Interface: Accuracy and Repeatability:	0-100% oxygen 13 to 16mV 3,5mm Mono Jack < 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero Offset Voltage:	< 12 sec. to 90% of final value <200uVin 100% nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements - 0.03
Influence of Humidity:	% rel. per % RH at 25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	built-in NTC compensation between +25 °C and +40 °C: 3 % relative error between 0 °C and +50 °C: 8 % relative error 0-99% RH non-condensing
Temperature Compensation:	
Effect of Temperature Compensation (steady state):	
Operating Humidity: Long Term Output Drift:	< 1 % vol. oxygen per month typically < -15 % relative over lifetime -20 to +50 °C
Storage Temperature:	+5to+15°C
Recommended Storage:	> 10kOhms
Recommended Load:	< 30 minutes, after replacement of sensor
Warm-Up Time: Nominal	> 1.000 000 % vol. oxygen hours
Sensor Lifetime: Weight:	approximately 28 grams
Part No.:	01-00-0021

Use the advantages:

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

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



Product Specification

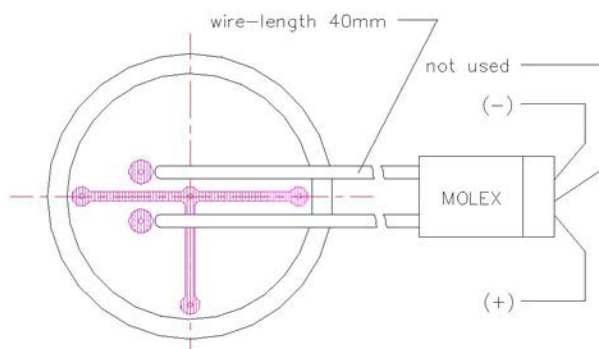
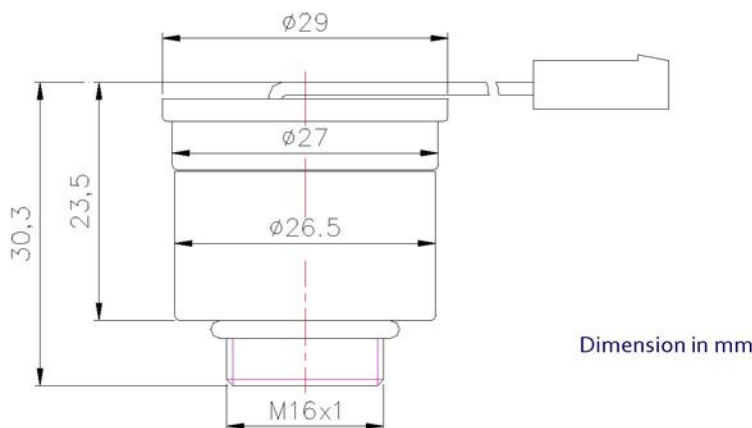
Oxygen Sensor OOM202-2

Measurement Range:	0-100% oxygen
Output in ambient air:	9 to 13mV
Electrical Interface:	Flying leads with 3pin female connector (Molex 22-01-2037)
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero	< 12 sec. to 90 % of final value
Offset Voltage:	< 200 µV in 100 % nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements - 0.03% rel. per % RH at 250 proportional to change in oxygen partial pressure
Influence of Humidity:	< 1% relative at 25 °C
Influence of Pressure:	< 1 %
Influence of Mechanical Shock:	0 to 50 <C
Operating Temperature:	built-in NTC compensation between +25 °C to +40 °C: 3% relative error between 0 °C to +50 °C: 8% relative error 0-99% RH non-condensing
Temperature Compensation:	
Effect of Temperature Compensation (steady state):	
Operating Humidity: 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 >10
Recommended Load:	kOhms
Warm-Up Time: Nominal	< 30
Sensor Lifetime: Weight:	minutes, after replacement of sensor > 1,000,000% vol oxygen hours approximately 28 grams
Part No.:	01-00-0068

Use the advantages:

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

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



Product Specification

Oxygen Sensor OOM202-2S

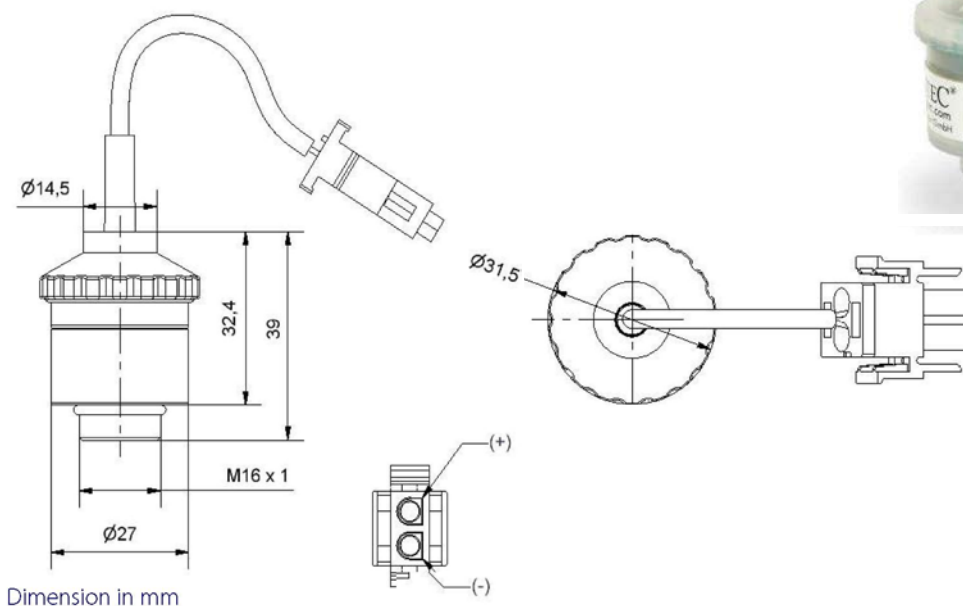
ENVITEC
by Honeywell

Measurement Range: Output in ambient air:	0-100% oxygen 9 to 11,5mV
Electrical Interface:	AMP350777-1
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time:	< 12 sec. to 90% of final value
Zero Offset Voltage:	< 200 uV in 100 % nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements
Influence of Humidity:	- 0.03% rel. per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	built-in NTC compensation between +25 °C and +40°C: 3 % relative error between 0 °C and +50 °C: 8 % relative error 0-99% RH
Temperature Compensation:	non-condensing
Effect of Temperature Compensation (steady state):	< 1 % vol oxygen per month typically < -15 % relative over lifetime
Operating Humidity:	-20 to +50 °C
Long Term Output Drift:	+5to+15 °C
Storage Temperature:	> 10kOhms
Recommended Storage:	< 30 minutes, after replacement of sensor
Recommended Load:	> 1.000 000 % vol oxygen hours
Warm-Up Time:	approximately 30grams
Nominal Sensor Lifetime:	1000106
Weight:	
Part No.:	

Use the advantages:

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

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



Product Specification

Oxygen Sensor OOM204

ENVITEC
by Honeywell

Measurement Range: Output in ambient air: Output difference:	0-100% oxygen 9 to 13,5mV(each of two channels) 1,25mV (between the two channels) 3pin (Molex 22-11-1031)
Electrical Interface: Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time: Zero	< 12sec. to 90 % of final value
Offset Voltage:	<200uVin 100% nitrogen applied after 5 min
Cross Interference:	Meets EN ISO 21647 requirements -
Influence of Humidity:	0.03% rel. per%RHat25°C proportional to change in oxygen partial pressure
Influence of Pressure:	< 1% relative after a fall from 1 m
Influence of Mechanical Shock:	0 to 50°C
Operating Temperature:	built-in NTC compensation between +25 °C and +40 °C: 3 % relative error between 0 °C and +50 °C: 8 % relative error 0-99% RH non-condensing
Temperature Compensation:	
Effect of Temperature Compensation (steady state):	< 1% vol. oxygen per month typically < -15 % relative over lifetime
Operating Humidity: Long Term Output Drift:	
Storage Temperature:	-20 to +50 °C
Recommended Storage:	+5to+15°C
Recommended Load:	> 10kOhms
Warm-Up Time: Nominal	< 30 minutes, after replacement of sensor
Sensor Lifetime: Weight:	> 500.000 % vol. oxygen hours approximately 28 grams
Part No.:	01-00-0097

Use the advantages:

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

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

