

Automotive Oxygen Sensor OOA101 / OOA101-1

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

Measurement Range:	0 % to 100 % Oxygen
Output in ambient air:	7 mV to 13 mV, or customs specific
Electrical Interface:	3 pin Molex 3.5 mm Mono Jack
Accuracy:	0 % to 3.3 % Oxygen: ± 0.1 % absolute 3.4 % to 100 % Oxygen: ± 3 % relative
Response time:	< 5 seconds to 90 % of final value < 40 seconds fall time from 20.95 % to 0.1 % Oxygen (when 100 % Nitrogen applied)
Zero Offset Voltage:	< 40 μ V in 100 % Nitrogen
Cross Interference:	< 0.1 % Oxygen response to: 15 % CO ₂ balance N ₂ 10 % CO balance N ₂ 3000 ppm NO balance N ₂ 3000 ppm C ₃ H ₈ balance N ₂ 500 ppm H ₂ S balance N ₂ 500 ppm SO ₂ balance N ₂ 1000 ppm Benzene balance N ₂
Influence of Humidity:	- 0.03 % relative per % RH at 25°C
Influence of Pressure:	proportional to change in Oxygen partial pressure
Temperature Compensation:	built-in NTC compensation
Operating Temperature:	0°C to +50°C
Operating Humidity:	0 to 99 % RH non-condensing
Long Term Output Drift:	< 1 % Oxygen per month typically < -15 % relative over lifetime
Life Time:	> 500.000 % Oxygen hours
Storage Temperature:	-20°C to +50°C
Recommended Storage:	+5°C to +15°C
Recommended Load:	≥ 10 kOhms
Weight:	approximately 28 grams

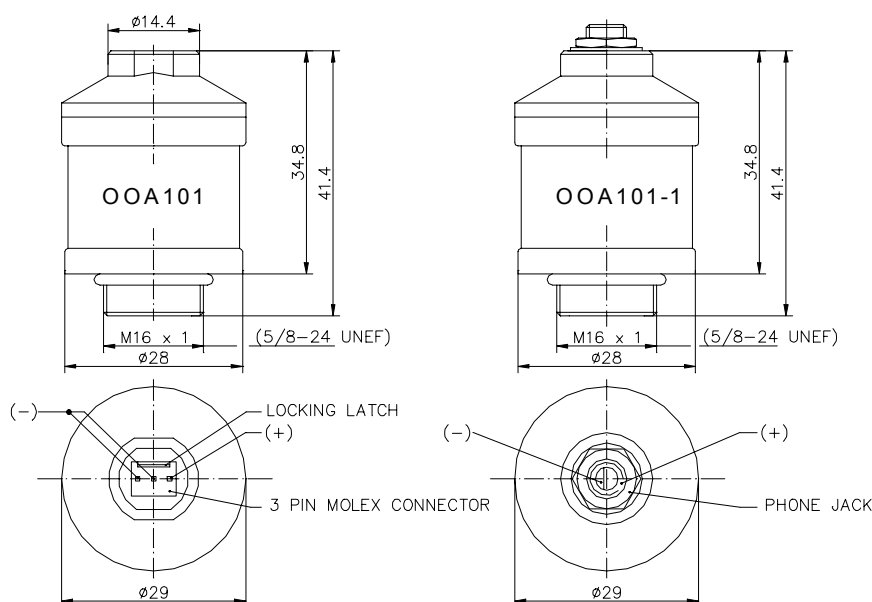
Use the advantages of ENVITEC's Automotive Oxygen Sensors

- PTB-A 18.10 approved
- Meet BAR 97 requirements
- Manufactured according to EN ISO 9001 / 7.94
- Fast and reliable response
- Resistant to CO₂ contamination
- Excellent signal stability
- High product quality
- Short lead times
- Technical support
- 15 months warranty

P/N:

OOA101 01-00-0030

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Dimension in mm

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