

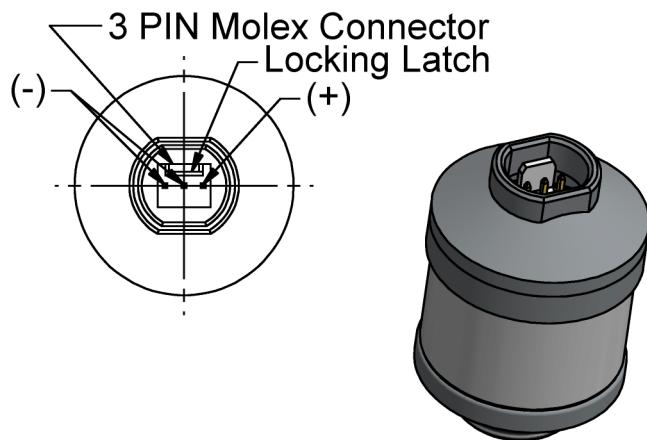
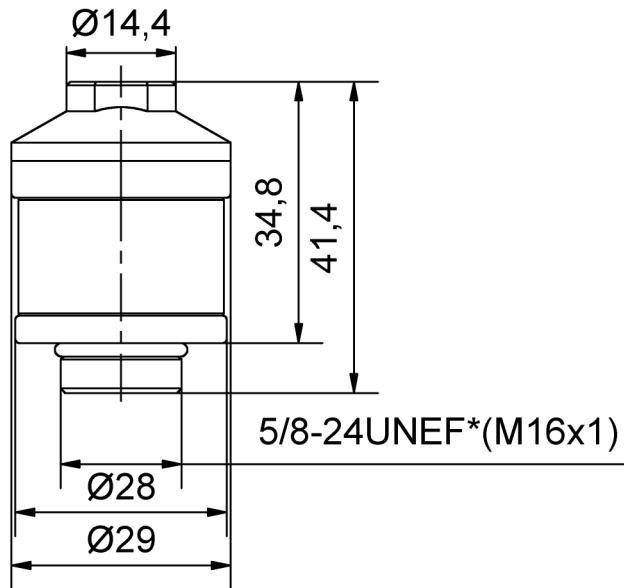
**Confidential - For Vandagraph only!**

<b>Measurement Range:</b>	0 % ... 100 % oxygen (at atmospheric pressure)
<b>Output in Ambient Air:</b>	9 to 13 mV
<b>Electrical Interface:</b>	3 pin (Molex 22-11-1031)
<b>Repeatability:</b>	< 1% vol. O <sub>2</sub> @ constant temperature and pressure
<b>Linearity error:</b>	< 3% relative
<b>Accuracy:</b>	0 % ... 3.3 % oxygen: ± 0.1 % absolute 3.4 % ... 100 % oxygen: ± 3 % relative
<b>Response time:</b>	< 5 s to 90 % of final value; < 40 s fall time from 20.95 % to 0.1 % oxygen (when 100 % nitrogen applied)
<b>Zero Offset Voltage:</b>	< 40 µV in 100 % nitrogen
<b>Cross Interference:</b>	< 0.1 % oxygen response to: 15 % CO <sub>2</sub> balance N <sub>2</sub> ; 10 % CO balance N <sub>2</sub> ; 3000 ppm NO balance N <sub>2</sub> ; 3000 ppm C <sub>3</sub> H <sub>8</sub> balance N <sub>2</sub> ; 500 ppm H <sub>2</sub> S balance N <sub>2</sub> ; 500 ppm SO <sub>2</sub> balance N <sub>2</sub> ; 1000 ppm benzene balance N <sub>2</sub>
<b>Influence of Humidity:</b>	- 0.03% rel. per % RH at 25 °C
<b>Pressure Range:</b>	0.6 bar ... 2 bar (ppO <sub>2</sub> 0 ... 1250 mbar O <sub>2</sub> )
<b>Influence of Mechanical Shock:</b>	< 1% relative after a fall from 1m
<b>Operating Temperature:</b>	0 °C to 50 °C
<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 % relative error
<b>Operating Humidity:</b>	0 - 99% RH non-condensing
<b>Long Term Output Drift:</b>	< 1% vol. oxygen per month
	Typically < -15% relative over lifetime
<b>Storage Temperature:</b>	-20 °C to +50 °C
<b>Recommended Storage:</b>	+5 °C to +15 °C
<b>Recommended Load:</b>	≥ 10 kOhms
<b>Warm-Up Time:</b>	< 30 minutes, after replacement of sensor
<b>Nominal Sensor Lifetime:</b>	≥ 500,000% vol oxygen hours
<b>Weight:</b>	Approximately 28 grams
<b>Warranty Period:</b>	15 months (including 3-month shelf life)
<b>Confirmations:</b>	PTB-A 18.10 approved
	Meet BAR 97 requirements
<b>Part No.:</b>	OOA101-V: 1002496 (REF 0110232 / R-22VAN)

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

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Mechanical draft:



General tolerances ISO 2768-c  
Color of housing parts: RAL 7040

**Product Specification**  
**Oxygen Sensor**  
**OOA101-V**

**ENVITEC**  
by Honeywell

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Customized Design Specification:

Product Labeling

OOA101-V: 1002496 (REF 0110232 / R-22VAN)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 <b>VANDAGRAPH</b> 15 Station Road, Cross Hills Keighley, West Yorkshire BD20 7DT, United Kingdom  ⚠️  <b>Class R-22VAN Oxygen Sensor</b> S/N 100001 K7 For surface use only. 	 <b>VANDAGRAPH</b> 15 Station Road, Cross Hills Keighley, West Yorkshire BD20 7DT, United Kingdom e-mail: info@vandagraph.co.uk Tel. +44 (0)1535 634900  <b>Class R-22VAN Oxygen Sensor</b> For surface use only.  P/N 0110232 S/N 100001 K7   ⚠️     This oxygen sensor contains caustic liquid, in case of leakage avoid contact with eyes and skin. Do not puncture or staple this bag. Do not remove the oxygen sensor from this bag until ready to use. Depending upon the ambient conditions the oxygen sensor may require 30 minutes to reach signal stability after installation.

Customer Approval

Date:

Signature: