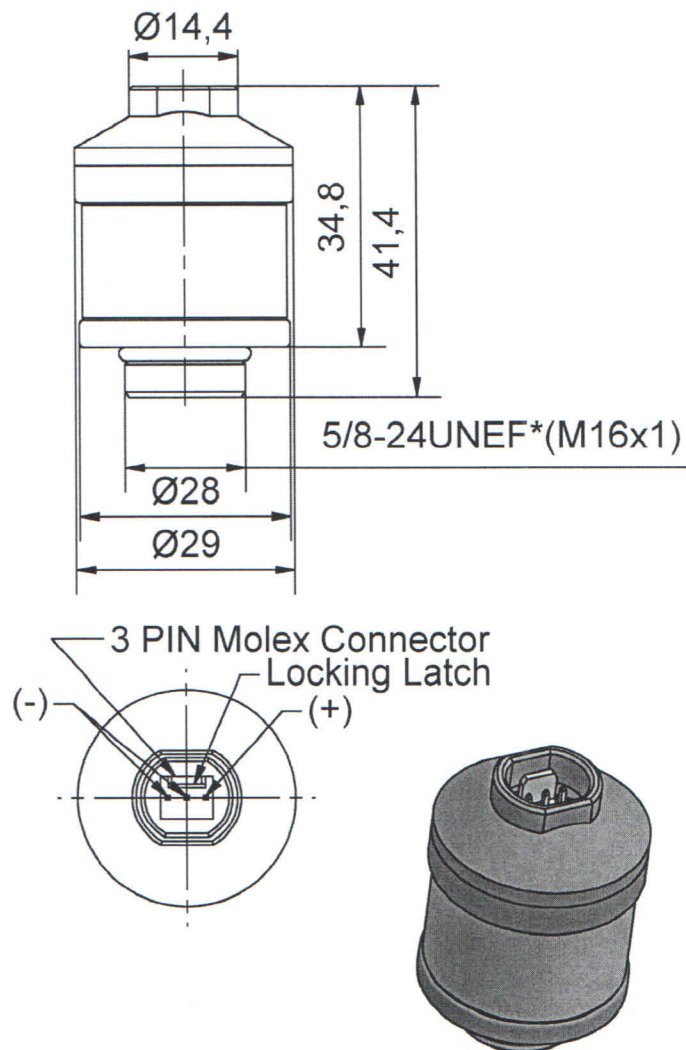


Measurement Range:	0 % ... 100 % oxygen (at atmospheric pressure)
Output in Ambient Air:	9 to 13 mV
Electrical Interface:	3 pin (Molex 22-11-1031)
Repeatability:	< 1% vol. O ₂ @ constant temperature and pressure
Linearity error:	< 3% relative
Accuracy:	0 % ... 3.3 % oxygen: ± 0.1 % absolute 3.4 % ... 100 % oxygen: ± 3 % relative
Response time:	< 5 s to 90 % of final value; < 40 s fall time from 20.95 % to 0.1 % oxygen (when 100 % nitrogen applied)
Zero Offset Voltage:	< 40 µV 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% rel. per % RH at 25 °C
Pressure Range:	0.6 bar ... 2 bar (ppO ₂ 0 ... 1250 mbar O ₂)
Influence of Mechanical Shock:	< 1% relative after a fall from 1m
Operating Temperature:	0 °C 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:	0 - 99% RH non-condensing
Long Term Output Drift:	< 1% vol. oxygen per month
	Typically < -15% relative over lifetime
Storage Temperature:	-20 °C to +50 °C
Recommended Storage:	+5 °C 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
Warranty Period:	15 months (including 3-month shelf life)
Confirmations:	PTB-A 18.10 approved
	Meet BAR 97 requirements
Part No.:	OOA101-V: 1002496 (REF 0110232 / R-22VAN)

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

Mechanical draft:



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

Product Specification

Oxygen Sensor

OOA101-V













Confidential - For Vandagraph only!

ENVITEC

by Honeywell

Customized Design Specification:

Product Labeling

OOA101-V: 1002496 (REF 0110232 / R-22VAN)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 VANDAGRAPH 15 Station Road, Cross Hills Keighley, West Yorkshire BD20 7DT, United Kingdom    Class R-22VAN Oxygen Sensor S/N 100001 K7  For surface use only.	 VANDAGRAPH 15 Station Road, Cross Hills e-mail: info@vandagraph.co.uk Keighley, West Yorkshire Tel. +44 (0)1635 634900 BD20 7DT, United Kingdom Class R-22VAN Oxygen Sensor For surface use only. P/N 0110232   S/N 100001 K7     <small>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.</small>

Customer Approval

Date: 23rd November 2017

Signature:

