

Product Specification
Oxygen Sensor
OOM102-A

ENVITEC
by Honeywell

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Measurement Range:	0 % ... 100 % oxygen (at atmospheric pressure)
Output in Ambient Air:	9 mV ... 13 mV
Electrical Interface:	3 pin (Molex® 22-11-1031)
Repeatability:	< 1 % volume O ₂ at constant temperature and pressure
Linearity error:	< 3 % relative
Response time:	< 12 s to 90 % of final value
Zero Offset Voltage:	< 200 µV in 100 % nitrogen, applied for 5 min
Cross Interference:	meets ISO 80601-2-55 requirements
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 1 m
Operating Temperature:	0 °C ... +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 % volume oxygen per month typically < -15 % relative over lifetime
Storage Temperature:	-20 °C ... +50 °C
Recommended Storage:	+5 °C ... +15 °C
Recommended Load:	≥ 10 kOhms
Warm-Up Time:	< 30 minutes, after replacement of sensor
Nominal Sensor Lifetime:	≥ 1 000 000 % volume oxygen hours
Weight:	approximately 28 grams
Warranty Period:	15 months (including 3-month shelf life)
Part No.:	OOM102-A: 1002504 (REF 0110039 / R-22VA)
GTIN:	5051826047385

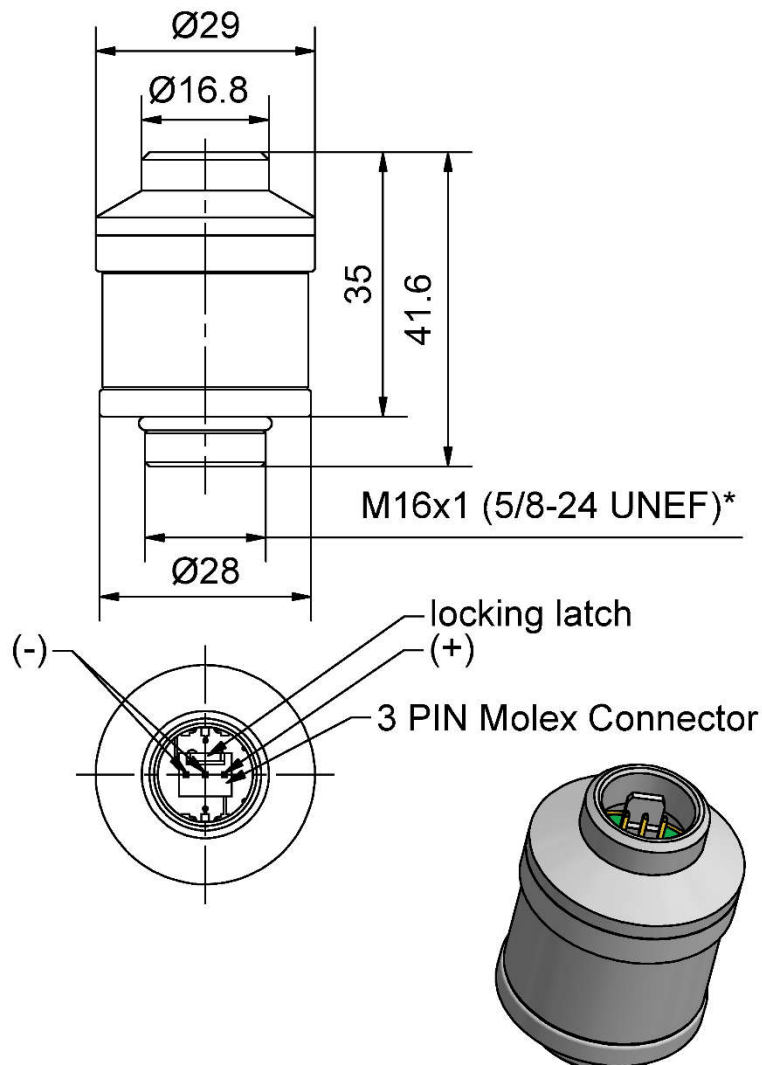
All specifications are applicable at standard conditions: 1013 mbar, 25°C dry ambient air.

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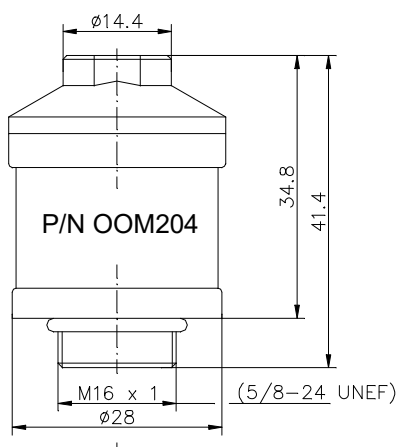
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Mechanical draft:



General tolerances ISO 2768-c

*Intermediate thread: Metric / Unified Extra Fine



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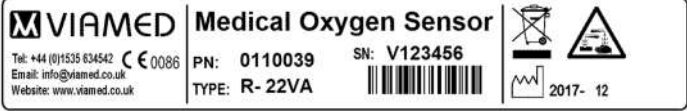
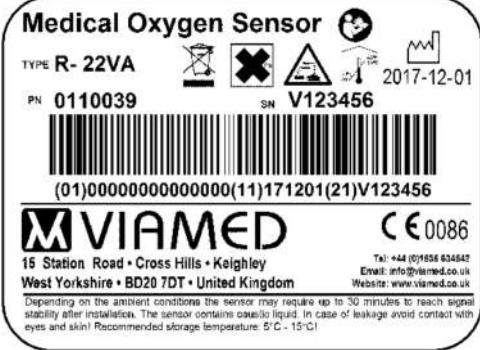
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Customized Design Specification:

- NA

Product Labeling

OOM102-A: 1002504 (REF 0110039 / R-22VA)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 <p>VIAMED Medical Oxygen Sensor Tel: +44 (0)1535 634542 Email: info@viamed.co.uk Website: www.viamed.co.uk PN: 0110039 SN: V123456 TYPE: R- 22VA 2017- 12</p>	 <p>Medical Oxygen Sensor TYPE R- 22VA PN 0110039 SN V123456 2017-12-01 (01)00000000000000(11)171201(21)V123456 VIAMED CE0086 15 Station Road • Cross Hills • Kelghley West Yorkshire • BD20 7DT • United Kingdom Tel: +44 (0)1535 634542 Email: info@viamed.co.uk Website: www.viamed.co.uk Depending on the ambient conditions the sensor may require up to 30 minutes to reach signal stability after installation. The sensor contains caustic liquid. In case of leakage avoid contact with eyes and skin! Recommended storage temperature: 5°C - 15°C!</p>

Customer Approval

Date:

Signature:

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