Viamed Limited - 15 Station Road - Cross Hills
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Specification Datasheet - 0110020

Viamed

R-22Vi Oxygen Sensor

Specifications

Part number	0110020
Model	R-22Vi
Output	9 mV – 14 mV
Output connector/connection	3 pin Molex 22-11-1031
Input connector/connection	M16 x 1
Input O ring	Yes
Range	0 – 100% oxygen
Accuracy	Meets requirements of ISO 80601-2-55
Influence of pressure	Output proportional to change in oxygen partial pressure
Pressure range	0.6 to 2.0 bar
Linearity error	< 3% relative (of the absolute concentration)
Warm up time	< 30 minutes after sensor installed
Zero offset voltage	< 200µV in 100% nitrogen @ 25ºC after 5 minutes
Cross interference	Meets requirements of ISO 80601-2-55
Response time (t90)	< 12 s for 90% of final value.
Operating humidity	0 – 99% R.H. (non-condensing).
Influence of humidity	- 0.03% relative per % R.H. at 25 ºC.
Influence of mechanical shock	< 1% relative after fall from 1m
Operating temperature range	0 – 50 ºC
Storage temperature	-20 to +50 ºC
Recommended storage temperature	+5 to +15 ºC
Temperature compensation	Integrated NTC thermistor
Temperature compensation error	+20 to +40 ºC: 3% relative 0 to +50 ºC: 8% relative
Nominal sensor life	> 1,000,000 % oxygen hours
Long term output drift	< 1% volume oxygen per month, typically < -15% over sensor lifetime.
Recommended load	> 10 KΩ
Shelf life	24 months
Weight	28 g
Flow diverter	Included
Standards	Meets with requirements of EN ISO 21647. Designed and manufactured according to EN ISO 9001:2008 & EN 13485:2007
Packaging	Blister/Blister card
Warranty period	12 months from date of sales invoice

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

v1.1

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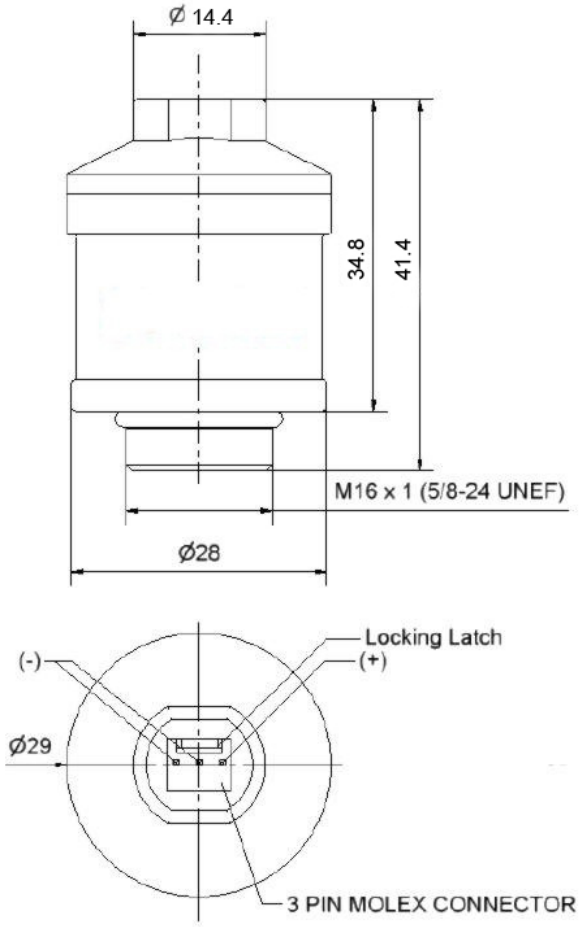

Dimensions in mm