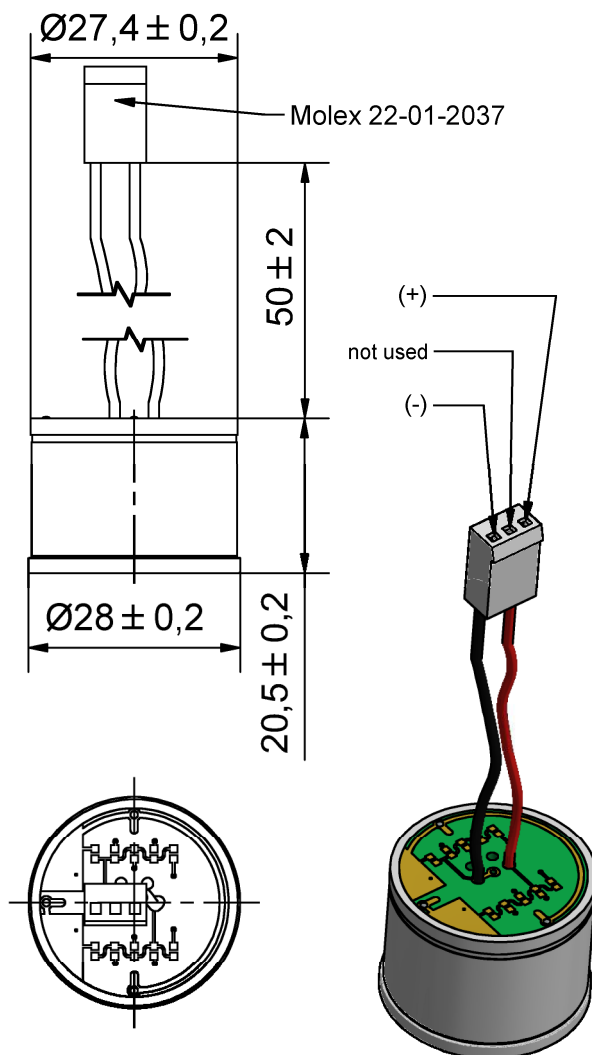


Measurement Range:	0 % ... 100 % oxygen
Output in Ambient Air:	9 to 13 mV
Electrical Interface:	Flying leads with 3 pin female connector (Molex® 22-01-2037)
Repeatability:	< 1% vol. O ₂ @ constant temperature and pressure
Linearity error:	0.1 to 1.0 bar ppO ₂ < 3% relative
	0.1 to 2.5 bar ppO ₂ < 5% relative (at ppO ₂ > 1.0 bar after 1 h equilibration time)
Response time:	< 5 sec. to 90% of final value
Zero Offset Voltage:	< 0.5% oxygen reading in 100% nitrogen @ 25°C after 36 seconds
Cross Interference:	< 0.5% vol. O ₂ response to: 5% CO ₂ balance N ₂
Influence of Humidity:	- 0.03% rel. per % RH at 25°C
Pressure Range:	600 to 2500 mbar
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 0°C and +50°C: 5% 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)
Part No.:	OOD103-JFD: 1002461 (REF DB200381)

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

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Mechanical draft:



Product Specification
Oxygen Sensor
OOD103-JFD

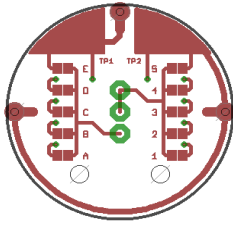
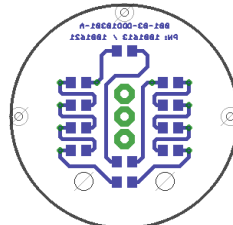
ENVITEC
 by Honeywell

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

Customized Design Specification:

- Integration of additional Zitex membrane in sensor gas diffusion way
- using of non magnetic components for the sensor
- Conformal coating on the sensor PCB with PLASTIK 70
- 2 x 2mm holes drilled in the sensor PCB
- No information about EnviteC on PCB top / bottom sides, information for ordering process and traceability only.

PCB Layout:

Top	Bottom
	

Product Labeling

OOD103-JFD: 1002461 (REF DB200381)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 JFD Ltd. Enterprise Drive Westhill, Aberdeen AB32 6TQ United Kingdom	 JFD Ltd. Enterprise Drive Westhill, Aberdeen AB32 6TQ United Kingdom
Oxygen Sensor P/N: DB200381     2017-07 S/N: 123456 	Oxygen Sensor P/N: DB200381  2017-07   S/N 123456    
	<p>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.</p>

Customer Approval

Date:

Signature: