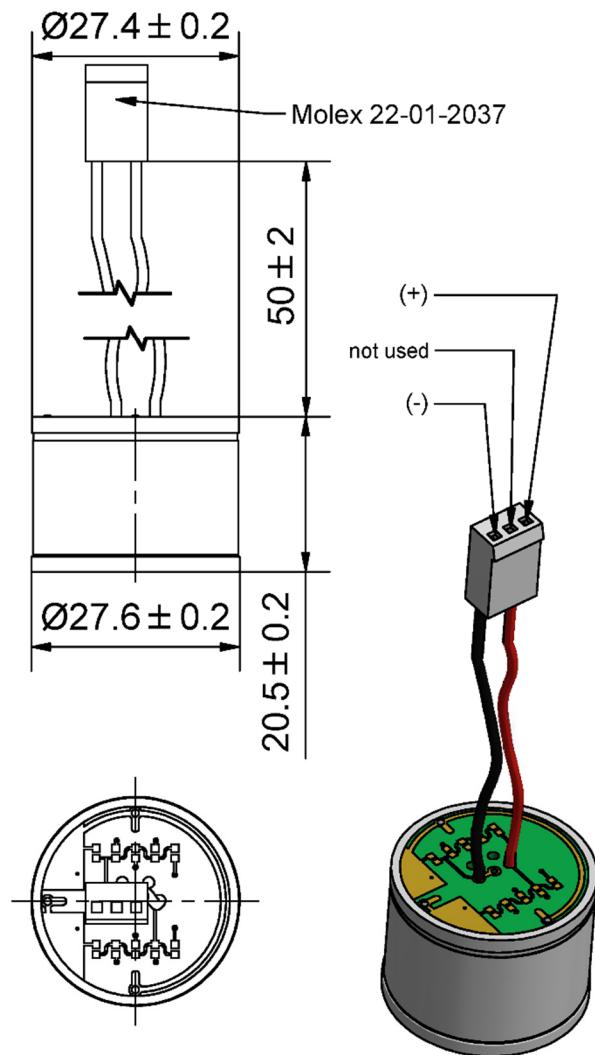


Measurement Range:	0 % ... 100 % oxygen
Output in Ambient Air:	6.5 to 9 mV
Electrical Interface:	Flying leads with 3 pin female connector (Molex® 22-01-2037)
Repeatability:	< 1% vol. O ₂ @ constant temperature and pressure
Linearity error:	0.1 to 1.0 bar ppO ₂ < 3% relative 0.1 to 2.5 bar ppO ₂ < 5% relative (at ppO ₂ > 1.0 bar after 1 h equilibration time)
Accuracy at constant temperature, pressure and humidity	Accuracy – Within + / - 3% of reading (or ±5 mBar Oxygen whichever is greater) up to specified range, when calibrated using 100% oxygen at known atmospheric pressure and 25 °C Acceptable limits are Error mBar pO ₂ mBar pO ₂ Min Max 209 -4 4 1000 0 0 Calibration point 1500 -30 30 2000 -75 75 Specified Range 2300 -100 100 Over-range capability Hysteresis after use at high pressure according to accuracy specification (Within + / - 3% of reading)
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)
Typical Lifetime	20 to 24 months from shipment (including shelf life) in air at 25 °C.
Electrical output	30-60 Microamperes in air @ 25 °C sea level
Packaging	In plastic bag
Part No.:	OOD103-JFD: 1002461 (REF DB200381)

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

Mechanical draft:



General tolerances ISO 2768-c

Product Specification

Oxygen Sensor

«Sensor_type»

Confidential - For Vandagraph only!

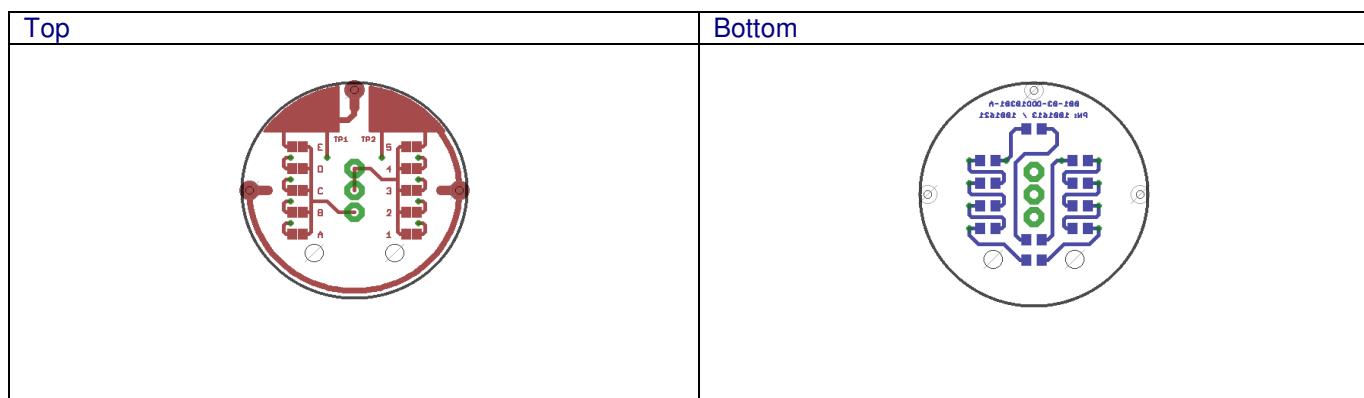
ENVITEC

by Honeywell

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:



Product Labeling

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

Signature: