

**Product Specification
Oxygen Sensor
OOD103**

ENVITEC
by Honeywell

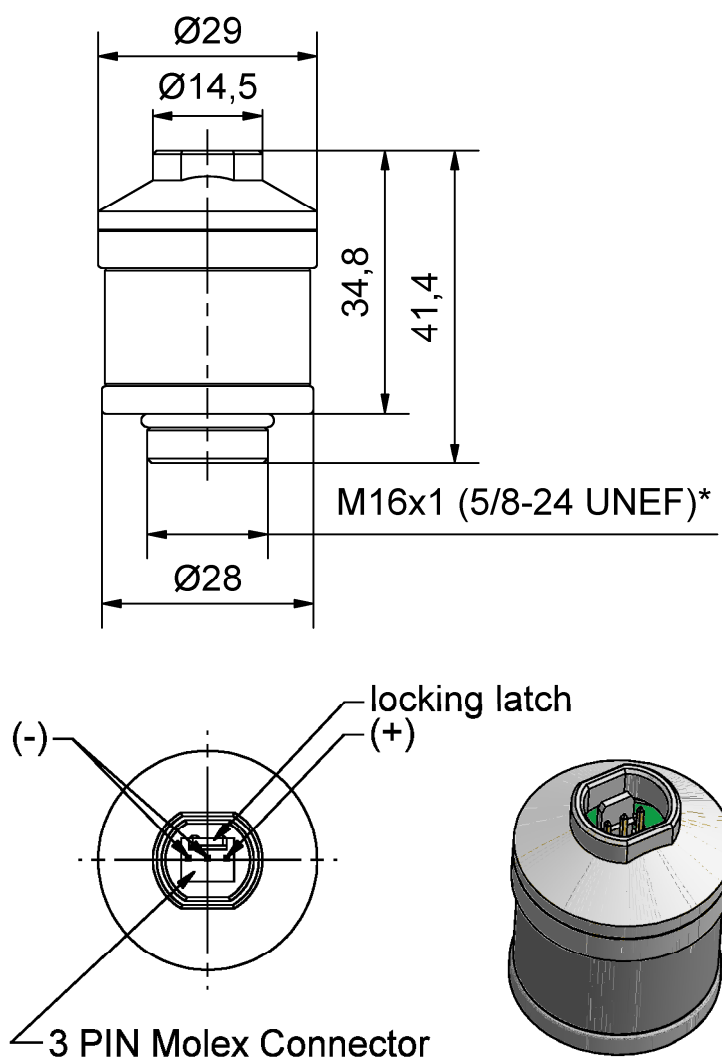
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Measurement Range:	0 % ... 100 % oxygen
Output in Ambient Air:	9 to 13 mV
Electrical Interface:	3 pin (Molex 22-11-1031)
Repeatability:	< 1% vol. O ₂ @ constant temperature and pressure
Linearity error:	0.1 to 1.0 bar ppO ₂ < 3% relative
	0.1 to 2.5 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: 1001570 (REF 8010000 / VST2200)
	OOD103: 1001570 (REF 8010006 / CR22D)
	OOD103: 1001570 (REF 8010008 / NaNM01)
	OOD103: 1001570 (REF 8010014 / K-22D)
	OOD103: 1001570 (REF 8010015 / UDT-22)
	OOD103: 1001570 (REF 8010018 / M3S)
	OOD103: 1001570 (REF 8010019 / SG-22)
	OOD103: 1001570 (REF 8010020 / 22D)
	OOD103: 1001570 (REF 8010021 / DST-2200)

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

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Mechanical draft:



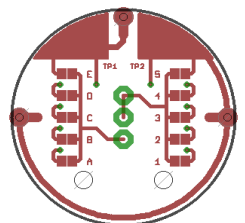
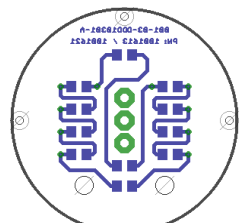
General tolerances ISO 2768-c

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Customized Design Specification:

- Integration of additional Zitex membrane in sensor gas diffusion way
- 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: 1001570 (REF 8010000 / VST2200) Label on Sensor (90x15)  Vandagraph Sensor Technologies 15 Station Road, Cross Hills Keighley, West Yorkshire BD20 7DT, United Kingdom     2010-06 S/N A123456 	Label on Blister- Card (63,5x46,6)  Vandagraph Sensor Technologies e-mail: info@vandagraphst.com Tel. +44 (0)1535 634900 15 Station Road, Cross Hills Keighley, West Yorkshire BD20 7DT, United Kingdom VST2200 Oxygen Sensor  2010-06 S/N A123456      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.
OOD103: 1001570 (REF 8010006 / CR22D) Label on Sensor (90x15)  rEvo bvba CR22D - rEvo OXYGEN SENSOR S/N 10612345 Web: www.info@revo-rebreathers.com WARNING: CONTAINS CORROSIVE MATERIAL INSTALL SENSOR PRIOR TO: February 2012 Follow manufacturers recommendations for sensor replacement	Label on Blister- Card (63,5x46,6)  rEvo bvba CR22D - rEvo OXYGEN SENSOR SERIAL NO.: 10612345 WARNING ! 1. Sensor contains corrosive electrolyte. 2. Do not puncture or remove sealed membranes. 3. Use eye and hand protection if sensor leaks. 4. Flush and wipe electrolyte from all surfaces. 5. Electrolyte can be harmful or fatal if swallowed. 6. Return sensors damaged in transit to factory. 7. Do not push on either end of sensor. 8. Store at reduced temperature to extend life.  INSTALLATION AND REPLACEMENT OF OXYGEN SENSORS: PLEASE REFER TO YOUR MANUFACTURERS MANUAL FOR RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS. INSTALL SENSOR PRIOR TO: February 2012

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OOD103: 1001570 (REF 8010008 / NaNM01)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 IMAGINATION INNOVATION REALISATION www.narkedat90.com	 IMAGINATION INNOVATION REALISATION www.narkedat90.com
SENSOR TYPE: NaNM01  2011-05    S/N M01123456 	SENSOR TYPE: NaNM01 This sensor is tested for use in the Naked at 90: Apocalypse PO2 Pod & Deep Pursuit Head.  2013-06 S/N S01123456 
OOD103: 1001570 (REF 8010014 / K-22D)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 KISS Kiss Rebreather LLC www.kissrebreathers.com	 KISS REBREATHERS.
K-22D Oxygen Sensor  2012-10    S/N K123456 	K-22D Oxygen Sensor  2012-10 S/N K123456 
OOD103: 1001570 (REF 8010015 / UDT-22)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 UDT UNCHARTED DIVING TECHNOLOGY www.divetechnology.com	 UDT UNCHARTED DIVING TECHNOLOGY Email: octagon@unchartereddiving.com www.divetechnology.com
UDT-22 Oxygen Sensor     2016-01 S/N UDT123456 	UDT-22 Oxygen Sensor  2016-01 S/N UDT123456 
OOD103: 1001570 (REF 8010018 / M3S)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 M3S Multi Safety Support System www.multi3s.com info@multi3s.com	 M3S Multi Safety Support System www.multi3s.com info@multi3s.com 83170 TOURVES FRANCE
TRITON Oxygen Sensor T22D     2014-03 S/N M3S123456 	TRITON Oxygen Sensor T22D  2014-03 S/N M3S123456 

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OOD103: 1001570 (REF 8010019 / SG-22)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 SubGravity 12356 S. 900 E. Suite 103 Draper, UT 84020, USA www.sub-gravity.com info@sub-gravity.com CE SG-22 Oxygen Sensor 2014-07 S/N SG123456  	 SubGravity 12356 S. 900 E. Suite 103 Draper, UT 84020, USA www.sub-gravity.com +1 801.256.6608 info@sub-gravity.com SG-22 Oxygen Sensor 2014-07 S/N SG123456   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.
OOD103: 1001570 (REF 8010020 / 22D)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
DIVESOFT P/N: 3092 www.divesoft.cz +42 (0) 416 857 057 Oxygen Sensor type 22D 2014-07 S/N D123456  	DIVESOFT Hájkova ulice 413 01 Roudnice nad Labem Czech Republic Phone: +42 (0) 416 857 057 P/N: 3092 Website: www.divesoft.cz Email: info@divesoft.cz Oxygen Sensor type 22D Fore use with Divesoft Liberty CCR 2014-07 S/N D123456   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.
OOD103: 1001570 (REF 8010021 / DST-2200)	
Label on Sensor (90x15)	Label on Blister- Card (63,5x46,6)
 Divex3me www.divex3me.com DST-2200 Oxygen Sensor 2016-01 S/N D123456  	 Divex3me Via Valvassori Peroni 20133 Milano Email: contact@divex3me.com www.divex3me.com DST-2200 Oxygen Sensor 2016-01 S/N D123456   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.

Customer Approval

Date:

Signature: