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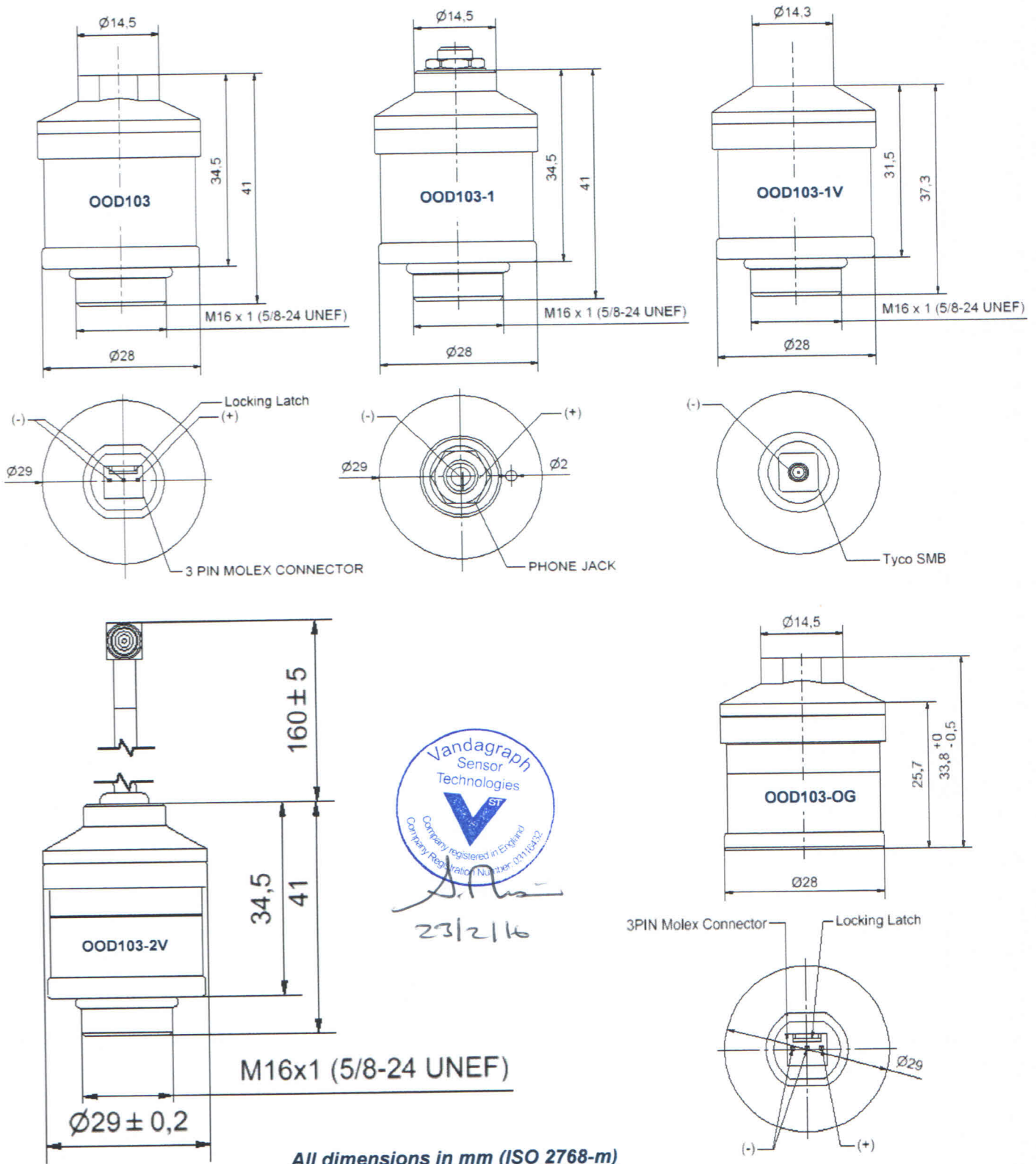
Measurement Range:	0 - 100% oxygen
Output in Ambient Air:	9 to 13 mV
Electrical Interface:	OOD103: 3 pin (Molex 22-11-1031) OOD103-1: 3.5mm phone jack (Switchcraft type 41) OOD103-1V: Mini HF (RADIAL R114.426.000) OOD103-2V: Mini HF (RADIAL R114.186.000) OOD103-OG: 3 pin (Molex 22-11-1031)
Repeatability:	< 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 8010001 / APD 5) OOD103-1: 1001580 (REF 8010003 / VR1700) OOD103-1: 1001580 (REF 8010005 / VST1700) OOD103-1V: 1001581 (REF 8010002 / APD 11) OOD103-2V: 1001721 (REF 8010004 / JJ-CCR) OOD103-OG: 1001930 (REF 8010010 / RBL-23D)



Product Specification
Oxygen Sensor
OOD103 / OOD103-1 / OOD103-1V / OOD103-2V / OOD103-OG

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Customized Design Specification:

- Integration of additional Zitex membrane in sensor gas diffusion way

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Oxygen Sensor

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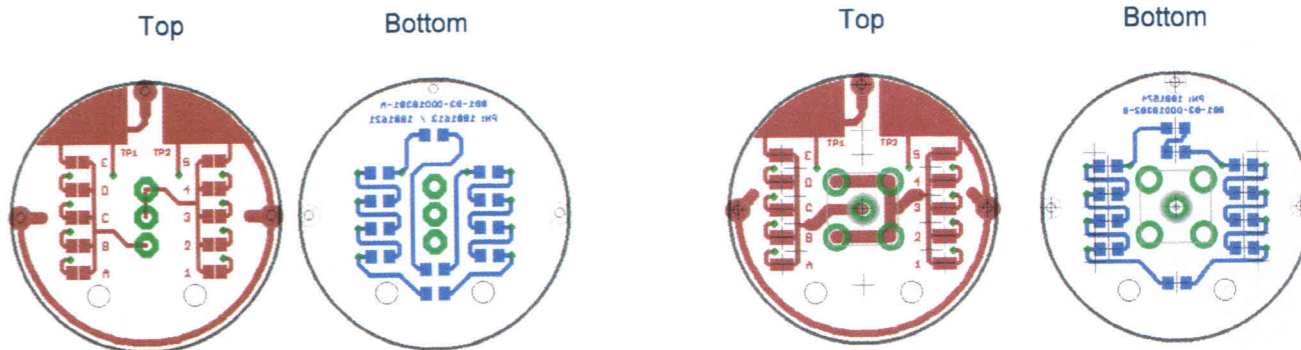
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- 2 mm hole drilled in sensor cap near the connector for sensor types OOD103-1, and OOD103-2V
- Conformal coating on the sensor PCB with PLASTIK 70
- 2 x 2mm holes drilled in the sensor PCB
- No information about EnviteC on PCB top / bottom sides, information for ordering process and traceability only.

PCB Layout:

Types: 8010000 / 8010001 / 8010003 / 8010004 / 8010005

8010002



Product Labeling

For customized label specification see separate document 001-08-xxxx.



23/2/16

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