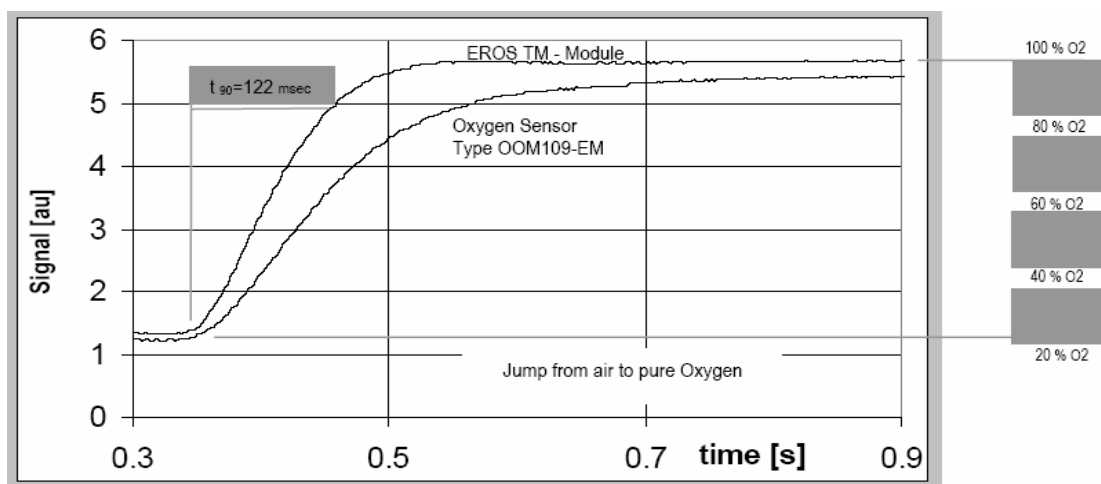


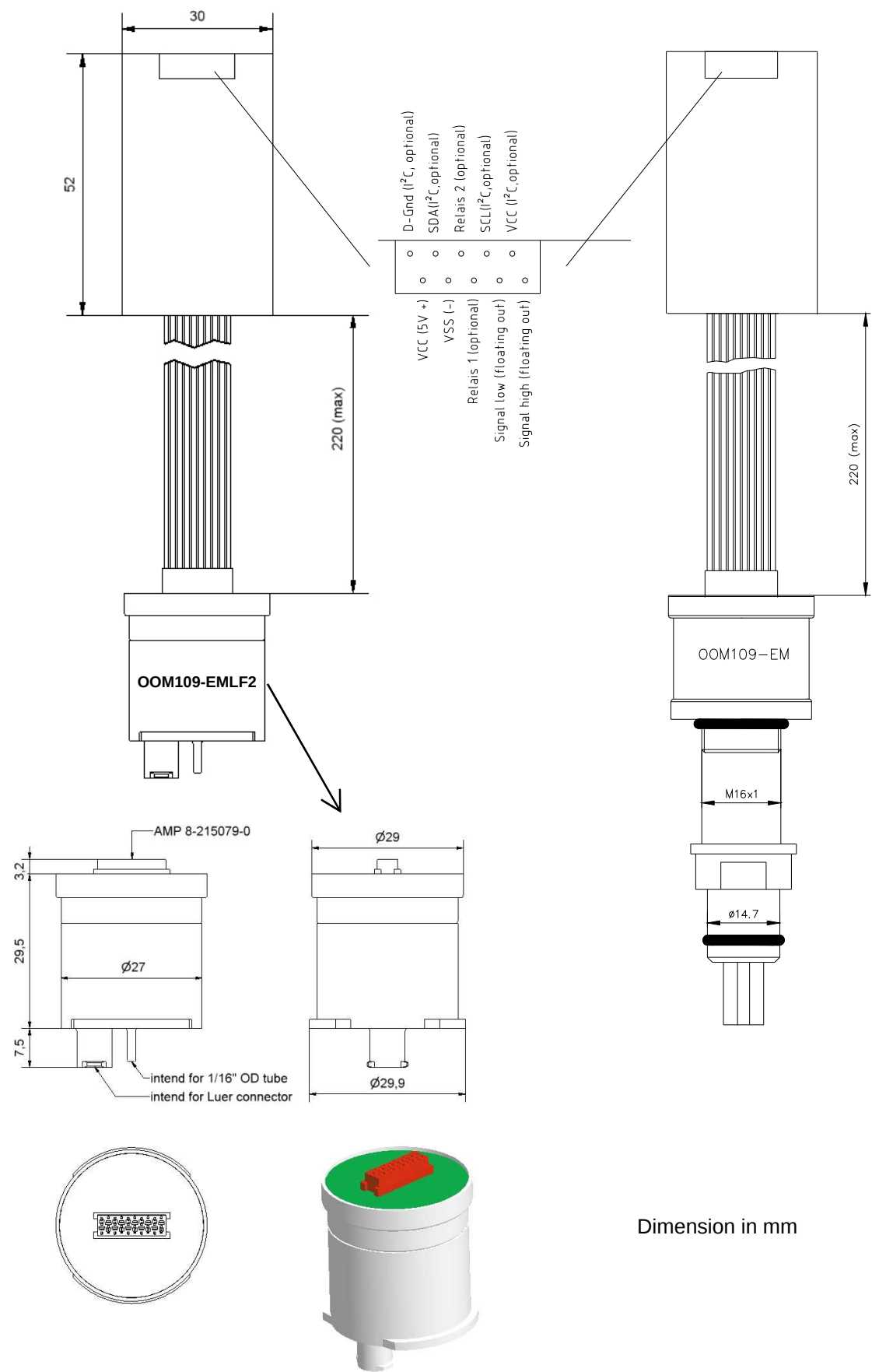
Measurement Range:	0-100 % oxygen
Output in ambient air:	130 to 190 mV (customer specific)
Electrical Interface:	AMP 100411-0 connector
Power supply:	5 V customer specific, minimum corrugation
Accuracy and Repeatability:	< 1 % vol. O ₂ when calibrated at 100 % Oxygen
Linearity error:	< 3 % relative
Response time:	< 150 msec. to 90 % of final value
Zero Offset Voltage:	< 2 mV in 100 % nitrogen applied for 5 min
Cross Interference:	Meets EN ISO 21647 requirements
Influence of Humidity:	- 0.03 % rel. per % RH at 25°C
Influence of Pressure:	proportional to change in oxygen partial pressure
Influence of Mechanical Shock:	< 1% relative after a fall from 1m
Operating Temperature:	0 to 50°C
Temperature Compensation:	built-in NTC compensation
Effect of Temperature Compensation (steady state):	between +25 °C and +40 °C: 3 % relative error between 0 °C and +50 °C: 8 % 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 to +50 °C
Recommended Storage:	+5 to +15 °C
Recommended Load:	≥ 50 kOhms
Warm-Up Time:	< 30 minutes, after replacement of sensor
Nominal Sensor Lifetime:	≥ 200.000 % vol oxygen hours
Weight:	approximately 50 grams
Warranty Period:	9 months Sensor / 24 months module
Oxygen sensor:	01-00-0109 / OOM109-EM 1001114 / OOM109-EMLF2

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

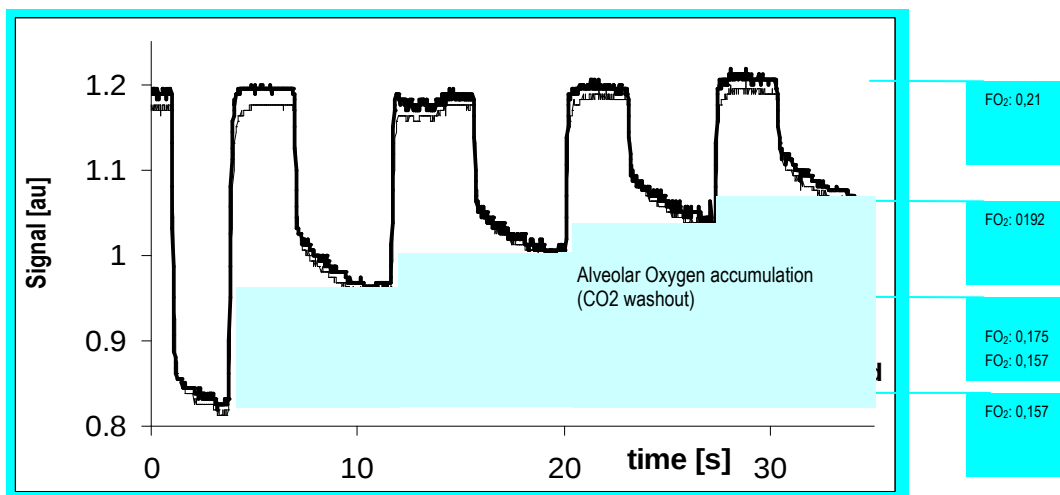
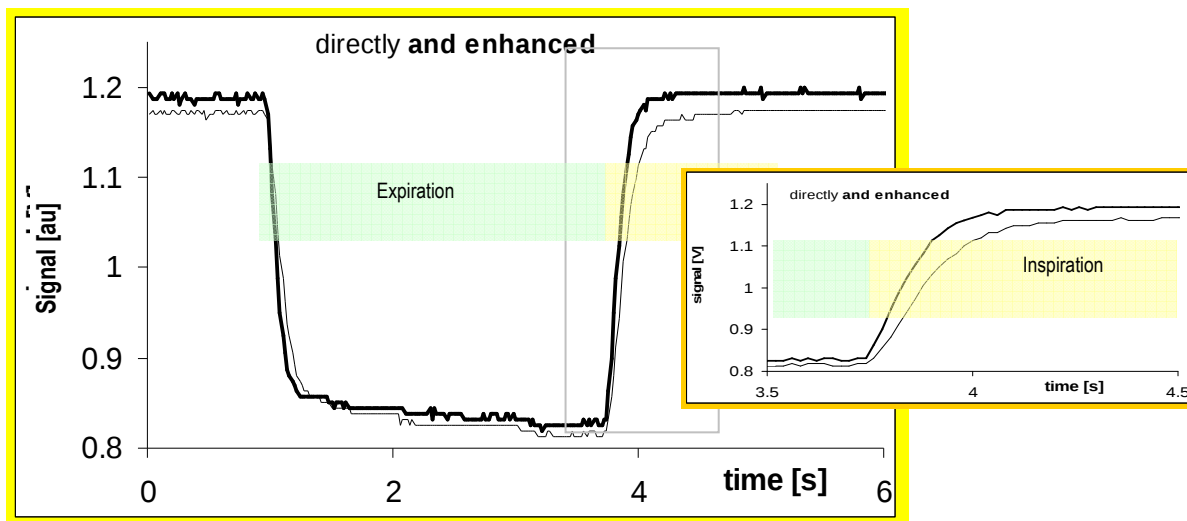
Use the advantages:

- Meet EN ISO 21647
- Designed and manufactured according to EN ISO 9001 : 2000 and EN ISO 13485 : 2003
- Accurate and reliable ultra fast response
- Digital Logic on board
- Reliable numeric results and real time wave form
- Resistant to N₂O
- Excellent signal stability
- High product quality
- Short lead times
- Technical support





Dimension in mm



Breath by breath recording of Oxygen partial pressure

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