

Oxygen Sensor OOM109 / OOM109-LF2

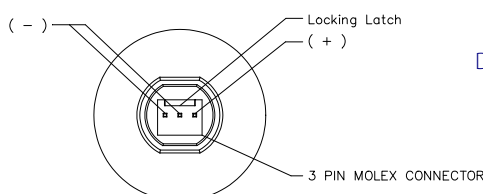
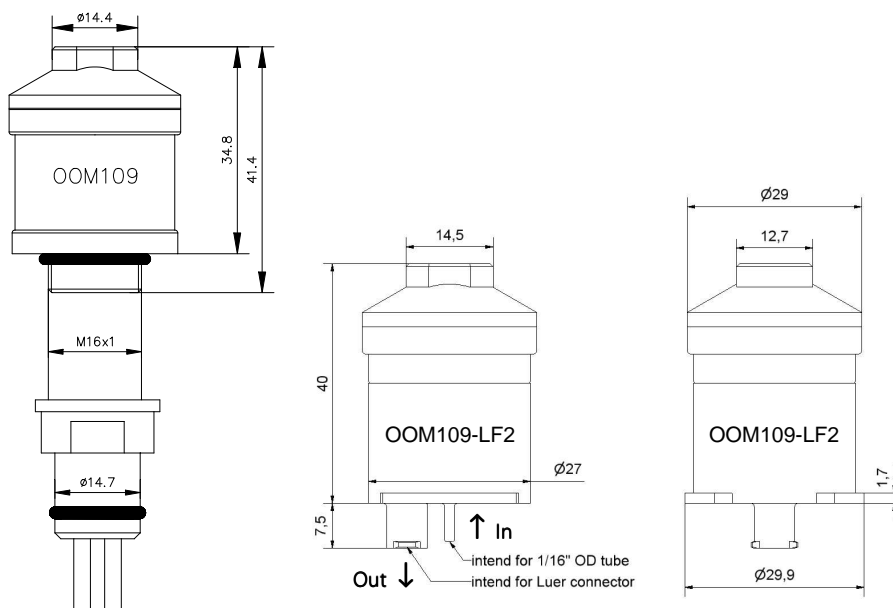
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| Measurement Range: | 0-100 % oxygen |
| Output in ambient air: | 9 to 13mV |
| Electrical Interface: | 3pin (Molex 22-11-1031) |
| Accuracy and Repeatability: | < 1 % vol. O ₂ when calibrated at 100 % Oxygen |
| Linearity error: | < 3 % relative |
| Response time: | < 300msec. to 90 % of final value |
| Zero Offset Voltage: | < 50 µV 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: | ≥ 10 kOhms |
| Warm-Up Time: | < 30 minutes, after replacement of sensor |
| Nominal Sensor Lifetime: | ≥ 200 000 % vol. oxygen hours |
| Weight: | approximately 28 grams |
| Part No.: | 01-00-0085 / OOM109 01-00-0116 / OOM109-LF2 |

Fast Response Oxygen Sensor for Medical Breath by Breath Analysis

Use the advantages:

- Meets EN ISO 21647
- Designed and manufactured according to EN ISO 9001 : 2000 and EN ISO 13485 : 2003
- Accurate and reliable ultra fast response
- Resistant to N₂O
- Excellent signal stability
- High product quality
- OOM109: designed for main stream application
- OOM109-LF2: designed for side stream application
- Short lead times
- Technical support

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



Dimension in mm



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