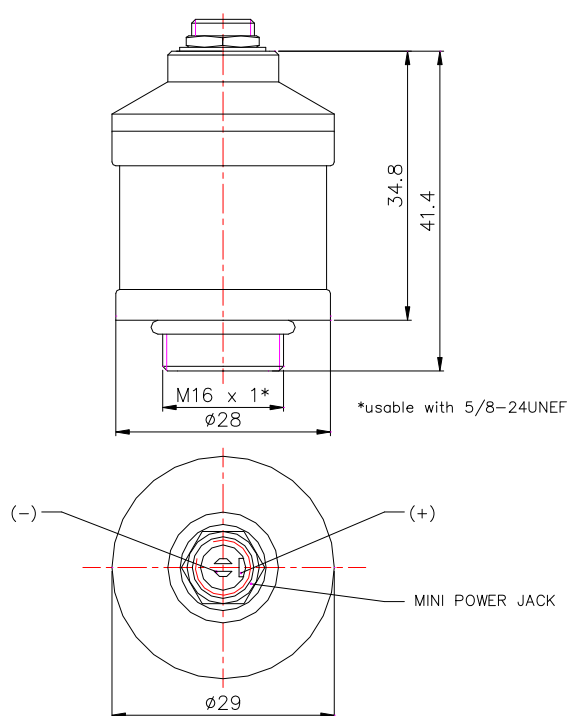


|   |  |
|---|--|
| <b>Measurement Range:</b>                                 | 0-100 % oxygen   |
| <b>Output in ambient air:</b>                             | 9 to 13mV  |
| <b>Electrical Interface:</b>                              | Switchcraft® Mini Power Jack   |
| <b>Accuracy and Repeatability:</b>                        | < 1 % vol. O <sub>2</sub> when calibrated at 100 % Oxygen                                    |
| <b>Linearity error:</b>                                   | < 3 % relative   |
| <b>Response time:</b>                                     | < 5sec. to 90 % of final value   |
| <b>Zero Offset Voltage:</b>                               | < 100µV in 100 % nitrogen applied for 5 min  |
| <b>Cross Interference:</b>                                | Meets EN ISO 21647 requirements  |
| <b>Influence of Humidity:</b>                             | - 0.03 % rel. per % RH at 25°C   |
| <b>Influence of Pressure:</b>                             | proportional to change in oxygen partial pressure  |
| <b>Influence of Mechanical Shock:</b>                     | < 1% relative after a fall from 1m   |
| <b>Operating Temperature:</b>                             | 0 to 50°C  |
| <b>Temperature Compensation:</b>                          | built-in NTC compensation  |
| <b>Effect of Temperature Compensation (steady state):</b> | between +25 °C and +40 °C: 3 % relative error<br>between 0 °C and +50 °C: 8 % relative error |
| <b>Operating Humidity:</b>                                | 0-99 % RH non-condensing   |
| <b>Long Term Output Drift:</b>                            | < 1 % vol. oxygen per month<br>typically < - 15 % relative over lifetime                     |
| <b>Storage Temperature:</b>                               | -20 to +50 °C  |
| <b>Recommended Storage:</b>                               | +5 to +15 °C   |
| <b>Recommended Load:</b>                                  | ≥ 10 kOhms   |
| <b>Warm-Up Time:</b>                                      | < 30 minutes, after replacement of sensor  |
| <b>Nominal Sensor Lifetime:</b>                           | ≥ 500.000 % vol. oxygen hours  |
| <b>Weight:</b>  | approximately 28 grams   |
| <b>Part No.:</b>  | 01-00-0090   |

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



#### Use the advantages:

- Meets EN ISO 21647
- Designed and manufactured according to EN ISO 9001 : 2000 and EN ISO 13485 : 2003
- Accurate and reliable fast response
- Resistant to N<sub>2</sub>O
- Excellent signal stability
- High product quality
- Short lead times
- Technical support



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Dimension in mm