

Performance Characteristics

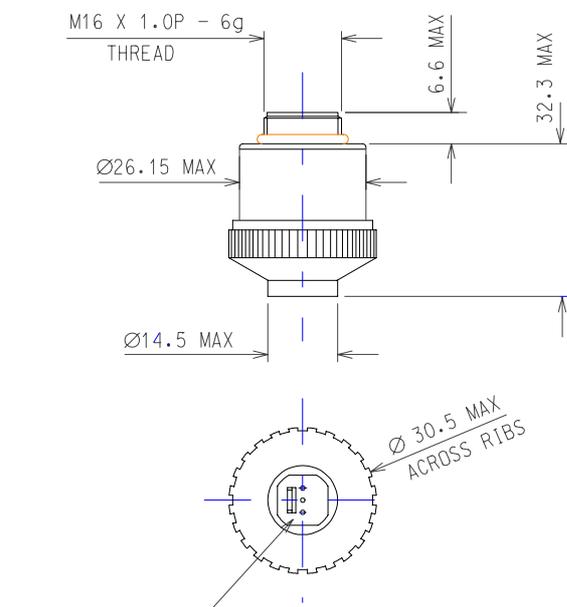
Output	9-13 mV in 210mBar O ₂
Range	0-1500mBar O ₂
Signal in 100% O₂	100±1%
Resolution	1mBar O ₂
Expected Operating Life	900,000 % O ₂ hours
Response Time (N₂ to 100% O₂)	T ₉₀ < 15s @ 20°C
Linearity	Linear 0-100% O ₂
Zero signal in N₂ at 20°C	<200 µV
Operating Temp Range	-20°C to +50°C
Temp. Compensation	<2% O ₂ equivalent from 0-50°C
Pressure Range	0.5-2.0Bar
Relative Humidity Range	0 to 99% non- condensing
Long Term Output Drift (in 100% O₂)	Typically <5% over 1 year
Housing Material	White ABS
Packaging	Sealed blister packaging
N₂O Resistance	Resistant to 100% N ₂ O
Cross-Sensitivity	Meets EN12598 requirements
Warranty Period	13 months from date of despatch (This amounts to a variation of condition 6 of our standard terms and conditions which otherwise apply)

N.B. The specification is based on measurements made with cylinder gases using a flow rate of 100 mls min⁻¹. Conditions at 20°C, 50%RH, and 1013mBar unless otherwise noted.



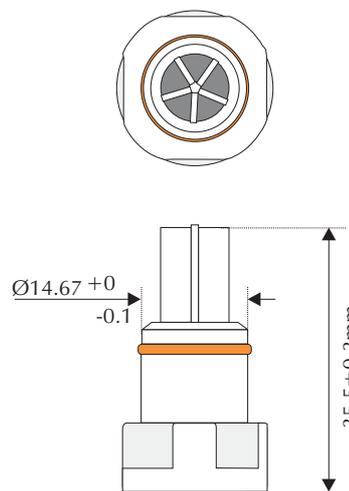
This device has been licensed for sale in Canada. For confirmation see www.mdall.ca

Outline Dimensions



TO SUIT 3 WAY (2.54 PITCH) MOLEX CONNECTOR
REF NO:- 22 - 01 - 2035

MOX Adaptor(15mm taper)



N.B. All tolerances ±0.15mm unless otherwise stated



Intended Use

These sensors are designed to be used to monitor the partial pressure of oxygen in anaesthesia, critical care, incubators and general Oxygen monitors.

Stabilisation time

Allow at least 15 minutes to stabilise in instrument before calibration.

Cleaning and Sterilisation

In case of contamination the sensor may be cleaned with distilled water and allowed to dry naturally. The sensor is not suitable for sterilisation by steam or exposure to chemicals such as ethylene oxide or hydrogen peroxide

Calibration Interval

These sensors are designed to have minimal drift over their useful lifetime however for maximum accuracy they should be calibrated in 100% Oxygen before use.

Cross-sensitivity

Test Gas	Error (%O ₂)
50% He/50% O ₂	<1%
80% N ₂ O/20% O ₂	+1 to +1.5%
4% Halothane/28.8% O ₂ /67.2% N ₂ O	+1.5% to +2%
5% Sevoflurane/28.5% O ₂ /66.5% N ₂ O	+1 to +1.5%
5% Enflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to +1.8%
5% Isoflurane/28.5% O ₂ /66.5% N ₂ O	+1.2 to +1.8%
5% CO ₂ /28.5% O ₂ /66.5% N ₂ O	<1%

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