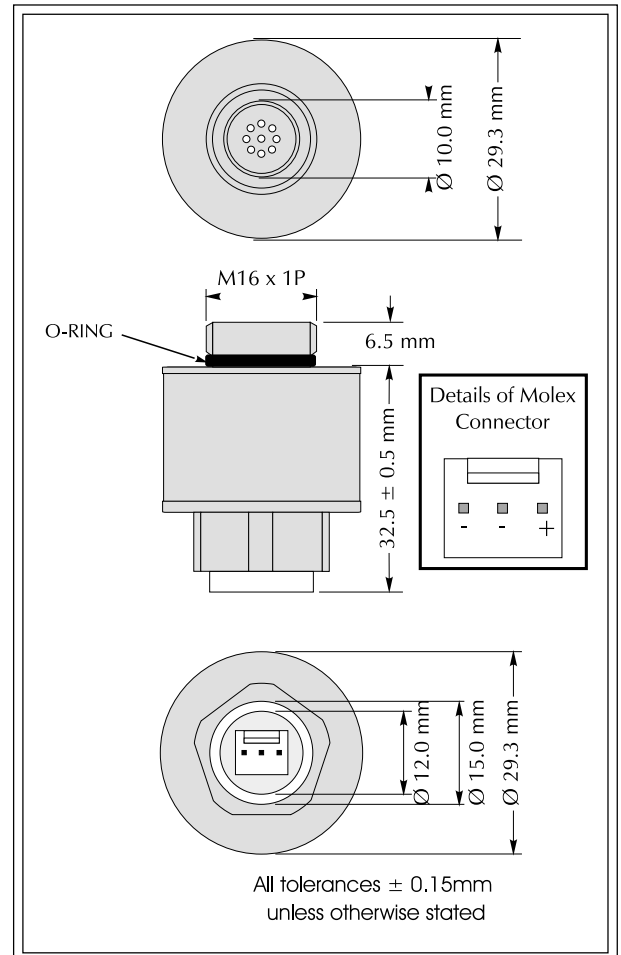


AO2 CiTiceL[®]

with Molex connector

Performance Characteristics

Output	9 - 13mV in Air
Range	0-100% O ₂
Resolution	0.01% O ₂
Expected Operating Life	360000%O ₂ hrs at 20°C 286000%O ₂ hrs at 40°C or 2 years in air at STP
T₉₀ Response Time	<5 seconds
T_{99.5} Response Time*	<40 seconds
Signal in 100%O₂	100±1%
Linearity	Linear 0-100% O ₂
Zero Offset	<20µV
Temperature Range	-20°C to +50°C
Temperature Compensation	<2% variation from 0°C to 40°C (see graph)
Differential Pressure Range	0-500mbar Max
Absolute Pressure Range	500-2000mbar
Relative Humidity Range	0 to 99% non-condensing
Long Term Output Drift	<10% signal loss/year
Recommended Load Resistor	Min 10KΩ
Warranty Period	12 month from date of despatch



- * T_{99.5} response is equivalent to a change in concentration from 20.9% O₂ to 0.1% O₂
- N.B. All performance data is based on conditions at 20°C, 50%RH, and 1013mBar

NOTE

Molex header used in sensor is MOLEX 22-29-2031
Suggested mating parts are:
Molex 22-01-2035: 3-way housing
Molex 08-56-0110: crimp terminals
AO2 CiTiceL to be assembled into application 'finger tight' only



AO3 CiTiceL[®]

with jack socket connector

Performance Characteristics

Output	9 - 13mV in Air
Range	0-100% O ₂
Resolution	0.01% O ₂
Expected Operating Life	360000%O ₂ hrs at 20°C 286000%O ₂ hrs at 40°C or 2 years in air at STP
T₉₀ Response Time	<5 seconds
T_{99.5} Response Time*	<40 seconds
Signal in 100%O₂	100±1%
Linearity	Linear 0-100% O ₂
Zero Offset	<20µV
Temperature Range	-20°C to +50°C
Temperature Compensation	<2% variation from 0°C to 40°C (see graph)
Differential Pressure Range	0-500mbar Max
Absolute Pressure Range	500-2000mbar
Relative Humidity Range	0 to 99% non-condensing
Long Term Output Drift	<10% signal loss/year
Recommended Load Resistor	Min 10KΩ
Warranty Period	12 month from date of despatch

- * T_{99.5} response is equivalent to a change in concentration from 20.9% O₂ to 0.1% O₂
- N.B. All performance data is based on conditions at 20°C, 50%RH, and 1013mBar

