



MOX-1

Product code: MOX-1

Manufacturer: City Technology

Operating Principle: Partial Pressure
Electrochemical

Measurement Range: 0-1500 mBar O₂

Output: 9 - 13 mV in 210 mBar O₂

Response Time (T₉₀): <15 s (air to 100% O₂)

Baseline Offset: <200 μV

Linearity: Linear 0-100% O₂

Temperature Compensation: <2% O₂ equivalent
(0°C to 40°C)

External Load Resistor: 10 kΩ Minimum

Connector: 3 Pin Molex Header (MOLEX 22-29-2031)

Recommended Mating Part:

Molex Housing:

(MOLEX 22-01-2035)

Molex Crimp Terminals:

(MOLEX 08-45-0110)

Weight: 39 g (nominal)

Housing Material: White ABS

Orientation: Any

Typical Applications: Critical Care Anaesthesia

Operating Temperature Range: -20°C to +50°C

Operating Pressure Range: 0.5 - 2.0 Bar

Operating Humidity Range: 0 - 99% RH non-
condensing

Long Term Output Drift in 100% O₂: < 5% signal
loss/year

Recommended Storage Temp: -10°C to +40°C
(short excursions to +50°C allowed)

Expected Operating Life: 1.5 x 10⁶ % O₂ hours at
20°C

0.8 x 10⁶ % O₂ hours at 40°C

Packaging: Sealed blister



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Life expectancy	1.5 x 10 ⁶ % O ₂ hours at 20°C
Measurement range	0-1500 mBar O ₂
Target Gas	Oxygen
Response Time	< 15 seconds (T ₉₀)
Output	9 - 13 mV in 210 mBar O ₂