



40XV

Product code: 40XV

Manufacturer: City Technology

Technology: Electrochemical

Measurement Range: 1-25% vol. O₂

Maximum Overload: 30% vol. O₂

Output Signal: 0.10 ± 0.02 mA in Air

Response Time (T₉₀): <15 Seconds

Zero Current (Offset): <0.6% vol. O₂

Linearity: Can be considered linear in many cases.

See Operating Principles (OP-02) for further details.

Recommended Load Resistor: 100 Ω

Casing Material: ABS

Weight: <16 g

Orientation Sensitivity: <0.2% vol. O₂ equivalent

Operating Temperature Range: -20°C to +50°C
(up to 3 months continuous across RH range)

Recommended Storage Temp: 0°C to 20°C

Thermal Transient (Temp. plunge +22°C to -20°C):
<23.5% vol. O₂

Operating Pressure Range: Atmospheric ± 20%

Pressure Coefficient: <0.02% signal/mbar

Pressure Transient (60 cm H₂O step change):
<200% signal change

Relative Humidity Range: (at 0°C to 20°C)

Continuous: 5 to 95%RH non-condensing

Short Term: 0 to 99%RH non-condensing

Long Term Output Drift: <2% signal/month

Typically <5% over operating life

Expected Operating Life: Minimum 24 months in air

Storage Life: 6 months in original packaging

Life expectancy

> 24 months



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|--------------------------|---------------------------|
| Measurement range | 1-25% vol. O ₂ |
| Target Gas | Oxygen |
| Response Time | < 15 seconds (T90) |
| Output | 100 ± 20 µA/ppm |