



## 40XV

**Product code:** 40XV

**Manufacturer:** City Technology

**Technology:** Electrochemical

**Measurement Range:** 1-25% vol. O<sub>2</sub>

**Maximum Overload:** 30% vol. O<sub>2</sub>

**Output Signal:** 0.10 ± 0.02 mA in Air

**Response Time (T<sub>90</sub>):** <15 Seconds

**Zero Current (Offset):** <0.6% vol. O<sub>2</sub>

**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. O<sub>2</sub> 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. O<sub>2</sub>

**Operating Pressure Range:** Atmospheric ± 20%

**Pressure Coefficient:** <0.02% signal/mbar

**Pressure Transient** (60 cm H<sub>2</sub>O 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



**Tecnosens S.p.A.**  
Via Vergnano,16 25125  
Brescia (BS) Italia  
  
Tel: (+39) 030 3534144  
Fax: (+39) 030 3530815  
info@tecnosens.it  
PEC: tecnosens@legalmail.it

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