



## 3HYE

**Product code:** 3HYE

**Manufacturer:** City Technology

**Nominal Range:** 0-10 000ppm

**Maximum Overload:** 20 000ppm

**Expected Operating Life:** Two years in air

**Output Signal:**  $0.003 \pm 0.001 \mu\text{A/ppm}$

**Resolution:** 10ppm

**Temperature Range:**  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$

**Pressure Range:** Atmospheric  $\pm 10\%$

**Pressure Coefficient:** 0.006 % signal/mBar

**T90 Response Time:** <70 seconds

**Relative Humidity Range:** 15 to 90% non-condensing

**Typical Baseline Range (pure air):** +2 to -150ppm equivalent

**Maximum Zero Shift ( $+20^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ ):** -150ppm equivalent

**Long Term Output Drift:** <2% signal loss/month

**Recommended Load Resistor:** 10  $\Omega$

**Bias Voltage:** Not required

**Repeatability:** 2% of signal

**Output Linearity:** Linear

<b>Life expectancy</b>	> 24 months
<b>Measurement range</b>	0-10.000 ppm
<b>Target Gas</b>	Hydrogen
<b>Response Time</b>	< 70 seconds (T90)
<b>Output</b>	$3 \pm 1 \text{ nA/ppm}$