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## F2 3E 1

**Product code:** F2 3E 1

**Manufacturer:** City Technology

**Measuring Range:** 0-1 ppm

**Sensitivity Range:** 100 nA/ppm  $\pm$  300 nA/ppm  
(negative current)

**Zero Current at 20°C:**  $< \pm 20$  nA

**Resolution at 20°C:**  $< 0.02$  ppm

**Bias Potential:** 0 mV

**Linearity:**  $< 5\%$  full scale

**Response Time at 20°C:**

- $t_{50} < 30$  s calculated from 4 min. exposure time with 1 ppm Cl<sub>2</sub>
- $t_{90} < 80$  s calculated from 4 min. exposure time with 1 ppm Cl<sub>2</sub>

**Long Term Sensitivity Drift:**  $< 5\%$  month

**Operation Conditions**

**Temperature Range:** -10°C to +40°C

**Humidity Range:** 15-90% r.H., non-condensing

**Effect of Humidity:** Abrupt changes of rel. humidity will cause short term drift in zero reading

**Sensor Life Expectancy:**  $> 18$  months

**Warranty:** 12 months

Available in versions Classic or with filter

<b>Life expectancy</b>	$> 18$ months
<b>Measurement range</b>	0-1 ppm
<b>Target Gas</b>	Fluorine
<b>Response Time</b>	$< 80$ seconds (T90)



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**Output**

$1 \pm 0.3 \mu\text{A/ppm}$