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## CI2 3E 50

**Product code:** CI2 3E 50

**Manufacturer:** City Technology

**Measuring Range:** 0-50 ppm; typically: 0-5 ppm

**Sensitivity Range:** 450 nA/ppm  $\pm$  200 nA/ppm  
(negative current)

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

**Resolution at 20°C:**  $< 0.05$  ppm

**Bias Potential:** 0 mV

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

### Response Time at 20°C:

- t50  $< 20$  s calculated from 2 min. exposure time \*
- t90  $< 60$  s calculated from 2 min. exposure time \*

**Long Term Sensitivity Drift:**  $< 10\%$  per 6 months

### Operation Conditions

**Temperature Range:** -20°C to + 40°C

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

**Effect of Humidity:** no effect on zero current

**Sensor Life Expectancy:**  $> 24$  months in air

**Warranty:** 12 months

\*t50 = 10 s and t90 = 30 s if sensors are exposed to at least 1 ppm Chlorine for at least 2 min

Life expectancy	$> 24$ months
Measurement range	0-50 ppm
Target Gas	Chlorine
Response Time	$< 60$ seconds (T90)



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**Output**

450 ± 200 nA/ppm