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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