



NH3 3E 1000 SE

Product code: NH3 3E 1000 SE

Manufacturer: City Technology

Amperometric 3 electrode sensor cell

Measuring Range: 0-1000 ppm

Sensitivity Range: 8 nA/ppm \pm 4 nA/ppm

Zero Current at 20°C: $<\pm$ 40 nA

Resolution at 20°C: <12 ppm

Bias Potential: 0 mV

Linearity: $<5\%$ full scale

Response Time at 20°C:

t50: <20 s calculated from 5 min. exposure time

t90: <90 s calculated from 5 min. exposure time

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

Temperature Range: -20°C to $+40^{\circ}\text{C}$

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

Effect of Humidity:

no effect on zero reading

Sensor Life Expectancy: > 24 months in air

Life expectancy	> 24 months
Measurement range	0-1000 ppm
Target Gas	Ammonia
Response Time	< 90 seconds (T90)
Output	8 ± 4 nA/ppm