



NH3 3E 5000 SE

Product code: NH3 3E 5000 SE

Manufacturer: City Technology

Amperometric 3 electrode sensor cell

Measuring Range: 0-5000 ppm

Sensitivity Range: 4 nA/ppm \pm 2 nA/ppm

Zero Current at 20°C: $<\pm$ 100 nA, typically 40 nA

Resolution at 20°C <50 ppm, typically 20 ppm

Bias Potential: 0 mV

Linearity: <10% full scale

Response Time at 20°C

t50: <30 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°C

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

Effect of Humidity:

no effect on zero reading during abrupt changes of RH

Expected Operating Life: > 24 months in air

Life expectancy	> 24 months
Measurement range	0-5000 ppm
Target Gas	Ammonia
Response Time	< 90 seconds (T90)
Output	4 \pm 2 nA/ppm