



NH3 3E 500 SE

Product code: NH3 3E 500 SE

Manufacturer: City Technology

Amperometric 3 electrode sensor cell

Measuring Range: 0-500 ppm

Sensitivity Range: 35nA/ppm \pm 15nA/ppm

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

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: $<$ 5% 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	0-500 ppm
Target Gas	Ammonia
Response Time	$<$ 90 seconds (T90)
Output	35 \pm 15 nA/ppm