



NH3 3E 100 SE

Product code: NH3 3E 100 SE

Manufacturer: City Technology

Amperometric 3 electrode sensor cell

Measuring Range: 0-100 ppm

Sensitivity Range: 130 nA/ppm \pm 30 nA/ppm

Zero Current at 20°C: $< \pm$ 100 nA

Resolution at 20°C: $<$ 1 ppm

Bias Potential: 0 mV

Linearity: $<$ 10% full scale

Response Time at 20°C

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

t90: $<$ 60 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:

an abrupt change of r.H. will cause a short term drift of zero reading

Sensor Life Expectancy: $>$ 24 months in air

Life expectancy	$>$ 24 months
Measurement range	0-100 ppm
Target Gas	Ammonia
Response Time	$<$ 60 seconds (T90)
Output	130 \pm 30 nA/ppm