



NH3 3E 100

Product code: NH3 3E 100

Manufacturer: City Technology

Amperometric 3 electrode sensor cell

Measuring Range: 0-100 ppm

Sensitivity Range: 90 nA/ppm \pm 40 nA/ppm

Zero Current at 20°C: $<\pm$ 150 nA

Resolution at 20°C: <2 ppm

Bias Potential: 0 mV

Linearity: $<5\%$ full scale

Response Time at 20°C:

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

t90: <120 s calculated from 5 min. exposure time

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

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

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: > 18 months in air

Life expectancy	> 18 months
Measurement range	0-100 ppm
Target Gas	Ammonia
Response Time	< 120 seconds (T90)
Output	90 ± 40 nA/ppm