



NH3 3E 1000

Product code: NH3 3E 1000

Manufacturer: City Technology

Amperometric 3 electrode sensor cell

Measuring Range: 0-1000 ppm

Sensitivity Range: 6 nA/ppm \pm 3 nA/ppm

Zero Current at 20°C: $<\pm$ 40 nA

Resolution at 20°C: $<$ 15 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°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	0-1000 ppm
Target Gas	Ammonia
Response Time	$<$ 120 seconds (T90)
Output	6 ± 3 nA/ppm