



## 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

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