



## 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:**  $-20^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$

**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

<b>Life expectancy</b>	$> 24$ months
<b>Measurement range</b>	0-500 ppm
<b>Target Gas</b>	Ammonia
<b>Response Time</b>	$< 90$ seconds (T90)
<b>Output</b>	$35 \pm 15$ nA/ppm