



## NH3 3E 100

**Codice prodotto:** NH3 3E 100

**Produttore:** 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:**  $-40^{\circ}\text{C}$  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

<b>Life expectancy</b>	$> 18$ mesi
<b>Range di misura</b>	0-100 ppm
<b>Target Gas</b>	Ammoniaca
<b>Tempo di Risposta</b>	$< 120$ secondi (T90)
<b>Uscita</b>	$90 \pm 40$ nA/ppm