

Envitec Automotive NO-Sensor Type NOXO-102 (Replacement for Sensors Inc 7014-011)

Sensor Specifications*

Measurement Range	0 - 5000 ppm NO	
Output (new sensor)	50 nA / ppm \pm 10 nA / ppm	
Response Time (t ₉₅)	\leq 5.5 sec. (depends on flowrate)	
Output Linearity	Linear	
Repeatability	2 % of signal	
Maximum Zero Shift (0 °C - 50 °C)	30 ppm NO Equivalent	
Operating Temperature	0 °C – 50 °C (10 °C - 35 °C recommended)	
Supply Voltage	12 V	
Bias Voltage	300 mV	
Battery Voltage Range	2.1 V – 3.1 V	
Weight	35 g	
Accuracy	0 - 4000 ppm \pm 4 % or 25 ppm abs. 4000 - 5000 ppm \pm 8 %	
Warranty Period	12 month from date of despatch	
Storage Life	< 6 months recommended	
Drift	< \pm 2 % Signal / Month	
Pressure Range	80 - 1200 m Bar	
Influence of Pressure	Atmospheric	< 0.1 % / 100 hPa
	Measuring Gas	< 0.12 % / hPa
Influence of Humidity (non condensing)	None	
Electrical Interface / Mounting	Designed to fit the Sensors Inc 7014-011 Module	
Cross Sensitivities	Concentration	Sensor reading (ppm NO)
	CO	10 % \leq 15 ppm
	CO ₂	16 % \leq 10 ppm
	H ₂ S	100 ppm \leq 20 ppm
	C ₃ H ₈	2000 ppm \leq 10 ppm
	SO ₂	100 ppm \leq 15 ppm

Vers 4/2004 Drawings not to scale. Dims. in mm.

* All specifications subject to final confirmation

NOXO-102 NO-Sensor



Sensor and *Module Assembly



NOXO-102 Features

- Very low pressure influence
- Low power consumption
- Fits Sensors Inc 7014-011 Module
- Designed and made by Envitec.

* The Sensor is NOT supplied with the Module assembly