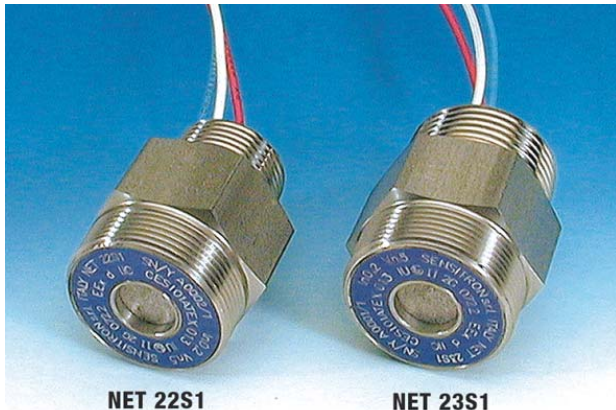




● NEMOTO SENSORTECH DIVISION  
● NANO & CYBERTECH DIVISION



## TECHNICAL INFORMATION SHEET: NEMOTO NET-2X-CO Carbon Monoxide Detector Heads



NET 22S1

NET 23S1

### General Description

The Nemoto NET-2X-CO Pellistor Gas sensor head is a stainless steel enclosure supplied fitted with a Nemoto NT-CO Electrochemical Carbon Monoxide Gas Sensor. The device is optimised for the detection of **Carbon Monoxide** in air in the range 0-1000ppm CO

Designed as a sensing platform for industrial gas detection systems and other CO detection applications where an explosion proof field device is required, The NET-2X-CO is a completely sealed unit, designed to be replaceable in the field complete. The integral sensor is not field replaceable.

The enclosure is fitted with an external thread at the front end to allow easy fitting of accessories. A choice of two standard rear mounting threads is available. See the drawing overleaf for details.

**NET-2X-CO IS ATEX APPROVED:  
CESI 01 ATEX 066 U**



ds-net2xco.doc, issue 2, Feb 2006

### Specifications

Detectable gas:	Carbon Monoxide
Detection range:	0 – 1000 ppm
Maximum range (short periods)	1500 ppm
Output current:	40 +/- 15 nA/ppm
Reproducibility:	+/- 2%
Zero in clean air:	< +/-5ppm equivalent
Output drift in air:	< 5%/year
Response time (T <sub>90%</sub> ):	< 60 seconds
Temperature drift (zero)	<10ppm (-20to +50°C)
Expected lifetime*:	>2 years

### Operating conditions:

Operating temperature:	-20°C to + 50°C
Humidity range (constant)	15-90% RH
Humidity range (intermittent)	0-99% RH
Pressure:	0.9 – 1.1 atm
Recommended resistor:	10 ohms
Bias voltage:	Not required
Recommended Storage temp	0-20°C
Storage time	6 months
(without compromising lifetime)	

**Further details of the performance of the NT-CO Gas Sensor can be found on the its datasheet, ds-n-NT-CO.doc.**

Nemoto has a policy of continuous development and improvement of its products. As such the specification for the device outlined in the data sheet may be changed without notice



**Dimensions**

