



● NEMOTO SENSORTECH DIVISION  
● NANO & CYBERTECH DIVISION



## TECHNICAL INFORMATION SHEET: NEMOTO NET-3X Gas Sensing Head Enclosures



### General Description

The Nemoto NET-3X gas sensor head enclosure is a stainless housing designed to accommodate:

- Nemoto matched pair catalytic gas sensors (pellistors) series NP30 and NP17
- Any other matched pair pellistor mounted in a T04 size header or from other manufacturers.
- A wide variety of Electrochemical oxygen or toxic gas sensors

The head consists of a two-piece stainless steel flameproof enclosure: The lower section comprises an integral stainless steel sinter filter to allow the entry of the atmosphere being detected; the upper part, or main body, houses the sensor. The matched pair pellistor is located in a plastic spacer insert which holds the sensor in the correct position for optimum performance.

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

A variety of spacer inserts are available to allow the NET-3X gas sensing head to be fitted with standard formats of electrochemical toxic and oxygen gas sensors.

**The two piece design of the NET-3X allows the internal sensor to be field replaceable.**

The enclosure is fitted with an external M46x1.5 Thread at the front end to allow easy fitting of accessories.

A choice of four standard rear mounting threads is offered (x = thread code)

NET-32 ANP (taper) ¾" – 14 NPT Thread  
NET-33 as above, 1" thread  
NET-34 20x1,5mm metric thread  
NET-35 25x1,5mm metric thread

**NET-3X is ATEX APPROVED:  
CESI 01 ATEX 066 U**



ds-n-net3x.doc, issue5, Feb 2006



**Dimensional Drawing**

