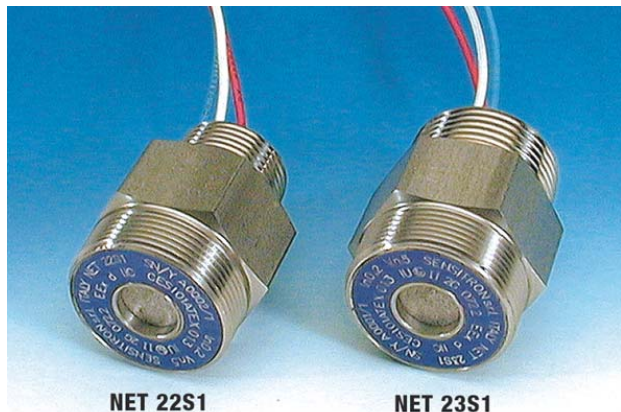




● NEMOTO SENSORTECH DIVISION
● NANO & CYBERTECH DIVISION



TECHNICAL INFORMATION SHEET: NEMOTO NET-2X-30S Pellistor Gas Sensor Heads



NET 22S1

NET 23S1

General Description

The Nemoto NET-2X-30S Pellistor Gas sensor head is a stainless steel enclosure designed to accommodate the Nemoto NP single header catalytic flammable gas sensor (pellistor) for use as a complete field device operating as a part of a fixed flammable gas detection system.

The head comprises a stainless steel flameproof enclosure constructed with an integral stainless steel sinter filter for the safe entry of the atmosphere being detected.

The NET-2X-30S is a completely sealed device and is 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 (x = thread code)

**NET2X-30S IS ATEX APPROVED:
CESI 01 ATEX 066 U**

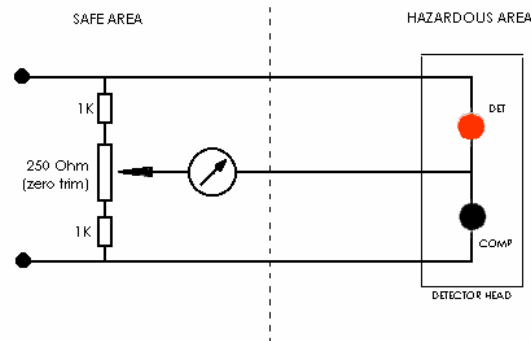


Nemoto has a policy of continuous development and improvement of its products. As such the specification for the device outlined in the data sheet may be changed without notice

Specifications

Recommended Voltage:	2.0V +/- 0.1V
Current Drawn:	300 +/- 20mA
Zero Offset:	0mV +/- 25mV
Minimum Sensitivity:	12mV/% CH ₄ /Air
Range:	0-100% LEL
Accuracy:	+/- 1%LEL(CH ₄)
Maximum Long Term Drift:	
Span:	< +/- 1% LEL/Month
Zero:	< +/- 1/2 mV/Month
Response Time:	T ₅₀ : 12 sec T ₉₀ : 40 sec

Recommended Circuit:



Note: The value R1 is arbitrary, since the function of R1 is to balance the bridge. 1KΩ is suggested.

Temperature Range:	-20°C to +70°C
Temperature Drift:	(-20°C to +70°C)
Zero:	< +/- 3%LEL
Humidity:	0-100%RH, non-condensing
Humidity Response: (0-100%)	+/- 2%LEL
Linearity:	Effectively Linear to 60%LEL

Test data on drift, poisoning, temperature performance, linearity will be available on the Characterisation Document.

ds-n-net2x-30.doc, issue 10, Feb 2006



Dimensions

