NETC3
Full conformity ATEX gas detection head

Description

The NETC3 gas sensor head is a stainless steel flame-proof enclosure that accommodates pellistor, infrared or electrochemical gas sensors and possibly also a Cyber or REMORA signal transmitter that gives a 4-20 mA and/or RS485 digital output.

The enclosure is provided with an integral stainless steel sinter filter for the safe entry of the atmosphere being detected.

The NETC3 model is a decomposable and the sensor can be replaced at the end of its life time.

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.

Combustible dust and IP protection available on request using separate adapter. The enclosure is available also in aluminium if requested.

NETC3 IS FULL CONFORMITY ATEX APPROVED ACCORDING TO THE CERTIFICATE CESI 10 ATEX 032X

Construction

HEAD TYPE 3

Sinter filter
Threaded joints
Body
Cable
Cemented joint
**ATEX marking**

The required ATEX marking and type of protection are as follows:

- **II2G Ex d IIC T6 or T5 Gb**
- Or, when equipped with dust cover:
  - **II2GD Ex d IIC T6 or T5 Gb Ex tb IIIC T85°C or T100°C Db IP65**

The temperature class (T6 or T5) depends on the sensor power dissipation inside the sensor head and is thus dependent on the type of sensor used.

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**Part number**

When making an order of the NETC2 heads the customer must specify the basic properties that are needed for their specific application. This is made through the part number here below. The squared fields of the part number below can be modified according to the options on the right.

<table>
<thead>
<tr>
<th>NETC3</th>
<th>2</th>
<th>AFL</th>
<th>NP-17SH</th>
<th>GD</th>
<th>A</th>
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</thead>
</table>

**Options available**

- **Material option:**
  - A = aluminium enclosure
  - Left blank = stainless steel enclosure

- **GD option:**
  - GD = 2GD combustible dust protection
  - Left blank = Standard 2G protection

- **Sensor:**
  - Insert the complete sensor part number (see price list)

- **Electronics:**
  - XXX = Electronic module part number (see price list)
  - Left blank = No additional electronics used

- **Thread:**
  - 2 = 3/4" NPT
  - 3 = 1" NPT
  - (other threads are available on request)

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*N.E.T. 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.*