

CESI

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Capitale sociale 8 550 000 €
interamente versato
Codice fiscale e numero
iscrizione CCIAA 00793580150

Registro Imprese di Milano
Sezione Ordinaria
N. R.E.A. 429222
P.I. IT00793580150

Schema di certificazione

CESI-ATEX

Il CESI è stato autorizzato
dal governo italiano ad
operare quale organismo di
certificazione di apparecchi
e sistemi destinati a essere
utilizzati in atmosfera
potenzialmente esplosiva
con D.M. 1/3/1983, D.M.
19/6/1990, D.M. 20/7/1998
e D.M. 27/9/2000

CERTIFICATE



[1] EC-TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use
in potentially explosive atmospheres
Directive 94/9/EC**

[3] EC-Type Examination Certificate number:

CESI 01 ATEX 053

[4] **Equipment:** Gas detectors type NET/

[5] **Manufacturer:** SENSITRON S.r.l.

[6] **Address:** Via A. Manzoni, 19 – 20010 Pogliano Milanese (MI) - Italy

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] CESI, notified body n. 0722 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report n. EX-A1/020536.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 + A1..A2 EN 50018: 2000

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

Ex II 2 G EEx d IIC T6

This certificate may only be reproduced in its entirety and without any change, schedule included.

Date 29 June 2001- Translation issued the 29 June 2001

Prepared
Enrico Radaelli

Verified
Mirco Balaz

Approved
Ulisse Colombo

[13]

Schedule

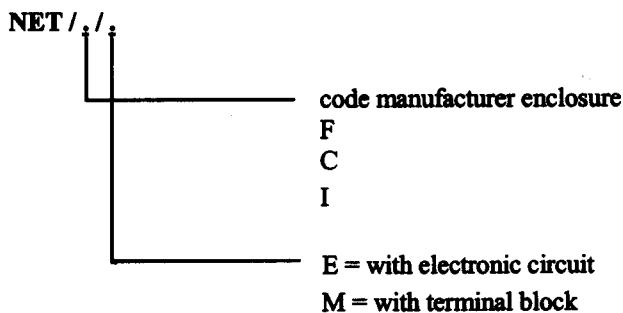
[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 01 ATEX 053**

[15] **Description of equipment**

The gas detectors type NET/ are used to detect the concentration of combustible and toxic gases or oxygen.

The detectors are composed by a gas sensor containing the sensitive element (subject of Component Certificate CESI 01 ATEX 013U), coupled with an EEx d IIC enclosure containing the electronic circuit for the elaboration and memorisation of signals and/or the terminal block.

The gas detectors type NET/ are identified by a code as follows:



Complete codes and characteristics of detectors are reported in the documents annexed to this certificate.

The identification code is reported on the label fixed on the sensor and on the enclosure.

The accessories used for cable entries shall be certified according to EN 50014 and EN 50018 Standard.

If cylindrical threads are used, the coupling between the cable gland and the enclosure shall be made according to the requirements indicated in the documents annexed to this certificate.

Electrical characteristics

Rated supply voltage:	12 + 24 Vdc
Maximum input current:	500 mA
Maximum power dissipated:	6 W
Ambient temperature:	-20 + +60 °C

Warning label

"Not open when energized"

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[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 01 ATEX 053**

[16] **Report n. CESI EX-A1/020536.**

Routine tests

For all models of the detectors the manufacturer shall carry out the routine tests prescribed at paragraph 24 of EN 50014 standard and for the model NET/I/. the routine tests prescribed at paragraph 16 of EN 50018 Standard.

The manufacturer is exempted from the overpressure test on the models NET/F/. and NET/C/. since the relative enclosures have been submitted, with favourable result, to a routine overpressure test with the static method at a value corresponding to four times the reference pressure.

On the model NET/I/. the routine overpressure test shall be carried out at 13,5 bar with the static method (par. 15.1.3.1 of EN 50018 Standard).

Descriptive documents (prot. EX-A1/020537)

- n. ST840 Rev. 3	(4 pg.)	dated	03.04.2001
- n. MT896 Rev. 0	(7 pg.)	dated	03.04.2001
- n. MT251 Rev. 7	(11 pg.)	dated	03.04.2001
- n. CE002 Rev. 0	(3 pg.)	dated	03.04.2001
- Conformity declaration		dated	03.04.2001

One copy of all documents is kept in CESI files.

[17] **Special conditions for safe use**

None.

[18] **Essential Health and Safety Requirements**

Assured by compliance to the Standards.