

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

ATEX E C-02

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 03ATEX 323

[4] **Equipment:** Gas detectors type TS293, TS493, TS593, SE193, SE138 and SE438

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

[6] **Address:** Via Miglioli, 97 - 20090 Segrate (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-A3/041828.

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

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

[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 2G EEx d IIC T6

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

Date 9 December 2003 - Translation issued the 9 December 2003

Prepared
Enrico Radaelli

Verified
Mirko Balaz

Approved
Ulisse Colombo

CESI

CENTRO ELETTROTECNICO SPERIMENTALE ITALIANO
Business Unit Certification

Il Responsabile

[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 03 ATEX 323**

[15] **Description of equipment**

The gas detectors type TS293, TS493, TS593, SE193, SE138 and SE438 are used to detect the concentration of combustible or toxic gases. The detectors are composed by a gas sensor containing the sensitive element in execution Ex-d, coupled with an EEx d IIC enclosure (component subject of separate certification) containing the electronic circuit for the elaboration and memorisation of signals and the terminal block.

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 identification of the gas is reported on the label fixed on the sensor.

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

Electrical characteristics

Rated supply voltage:	12 ÷ 24 Vdc
Maximum power dissipated:	3 W
Ambient temperature:	-20 ÷ +55 °C

[16] **Report n. CESI EX-A3/041828.**

Routine tests

The manufacturer shall carry out the routine tests prescribed at paragraph 24 of EN 50014 standard and at paragraph 16 of EN 50018 standard.

Descriptive documents (prot. EX-A3/041839)

- n. DSP-2293.KM01.01	(pg. 6)	dated 03.11.2003
- n. DIS-2293.KM01.01	(pg. 3)	dated 04.11.2003
- n. DIS-2293.KM01.02		dated 04.11.2003
- n. DIS-2293.KM01.03		dated 04.11.2003
- n. DIS-2293.KM01.04		dated 10.11.2003
- n. DIS-0001.CU01.01	(pg. 4)	dated 04.11.2003
- n. MON-2293.KM01.01	(pg. 2)	dated 01.10.2003
- n. IST-2293.KM01.02	(pg. 2)	dated 04.11.2003
- Conformity Declaration (mod.17-01 Rev.1)		dated 01.11.2003

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.

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



EXTENSION n. 01/06

to EC-Type Examination Certificate CESI 03ATEX323

Equipment: Gas detectors type TS293, TS493, TS593, SE193, SE138 and SE438

Manufacturer: **TECNOCONTROL S.r.l.**

Address: Via Miglioli, 97 – 20090 Segrate (MI) - Italy

Admitted variation

Constructional modifications:

- new enclosure for electronic circuits, terminal block and coupling of the sensor holder;
- a fourth cable inserted in the sensor holder.

The details of the constructional modifications are specified in the descriptive documents annexed to this extension.

Report n. EX-A6013029.

Descriptive documents (prot. EX-A6013041)

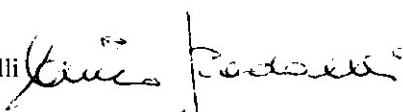
- n. DSP-2293.KM01.02	(pg. 2)	dated	23.12.2005
- n. IST-2293.KM01.02/A	(pg. 6)	dated	10.05.2006
- n. DIS-2293.KM01.05		dated	10.05.2006
- n. DIS-2293.KM01.06		dated	10.05.2006
- n. DIS-2293.KM01.07		dated	27.11.2005
- n. DIS-0001.CU02.01	(pg. 2)	dated	10.05.2006
- n. DIS-0001.CU02.02	(pg. 4)	dated	10.05.2006
- n. DIS-0007.TR01.01		dated	10.05.2006

One copy of all documents is kept in CESI files.

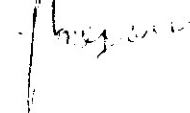
This extension and annexed descriptive documents must be annexed to the EC-Type Examination Certificate CESI 03ATEX323.

This document may only be reproduced in its entirety and without any change.

date 15 May 2006 - translation issued the 15th May 2006

prepared GEN – Enrico Radaelli 

verified GEN – Mirko Balaz 

approved GEN – Fiorenzo Bregani 

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Business Unit GENERAZIONE
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Prot. A6013040

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