

CESI

CESI
Centro Elettrotecnico
Sperimentale Italiano
Giacinto Motta SpA

Via R. Rubattino 54
20134 Milano - Italia
Telefono +39 022125.1
Fax +39 0221255440
www.cesi.it

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



EC-TYPE EXAMINATION 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 03 ATEX 203
- [4] Equipment: Thermometric assemblies series GUAB37TE.
- [5] Manufacturer: **EL.FIT S.p.A.**
- [6] Address: via Aquileia, 12 - 34070 Villesse - GO 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-A3/024912.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + A1:A2 EN 50018: 2000 + A1 EN 50281-1-1: 1998 + 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:

 II 2 GD EEx d IIC T6 IP 66/67 T 85 °C

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

Date 30 September 2003 - Translation issued the 30th September 2003

Prepared
Tiziano Cola

Verified
Mirko Balaz

Approved
Ulisse Colombo

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CENTRO ELETTROTECNICO SPERIMENTALE ITALIANO
Business Unit Certificazione

Il Responsabile

[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 03 ATEX 203**

[15] **Description of equipment**

Thermometric assemblies series GUAB37TE are made up of an explosion proof enclosure formed by a junction head series GUA and a thermowall:

Inside the junction head is placed an adjustable thermometric unit whose sensor is inside the thermowall.

Electrical characteristics	5 A at 250 Vac
Regulation range	0 °C ÷ 90 °C
Maximum bulb temperature	150 °C
Environment temperature	-40 °C < T _{env} < 60 °C
Category 2G: temperature class	T 6
Category 2D: maximum surface temperature	T 85°C
Protection degree	IP 66/67 (EN 60529: 1997)

Additional conditions

The accessory used for the cable entry shall be object of separate certification in accordance to the standard EN 50014, EN 50018 and EN 50281-1-1 and guarantee a protection level IP 66/67.

[16] **Report n. EX-A3/024912**

Routine tests

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

The manufacturer is exempted from the overpressure test on the thermometric assemblies series GUAB37TE, since they overcame the test, static method, at a pressure of 51.5 bar equal to 4 times the reference pressure.

Descriptive documents

a) **prot. EX-A3/024915** (attached to this certificate)

- Technical note A4-893 rev. 0 (4 sheets)	dated	3/04/2003
- Safety instructions rev. 0 (5 sheets)	dated	4/04/2003
- EC declaration of conformity n. CE/013	dated	5/04/2003
- Technical drawing n. A4-894	dated	2/04/2003
- Technical drawing n. A4-971	dated	6/04/2003
- Technical drawing n. A4-972	dated	5/04/2003
- Technical drawing n. A4-973	dated	6/04/2003
- Technical drawing n. A3-313	dated	5/04/2003
- Technical drawing n. A3-329	dated	3/04/2003
- Technical drawing n. A2-203	dated	4/04/2003

One copy of all the documents above mentioned is kept in CESI files.

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Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 03 ATEX 203**

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

None.

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

Covered by standards fulfilment.

EXTENSION n. 01/07



to EC-Type Examination Certificate CESI 03ATEX 203

Equipment: Thermometric assemblies series GUAB37TE

Manufacturer: EL.FIT S.p.A.

Address: Via Aquileia 12, Villesse (GO)

Admitted variation

- Upgrade to EN 60079-0 (2006), EN 60079-1 (2004), EN 61241-0 (2006), EN 61241-1 (2004) Standards
- Upgrade of nameplate

Equipment identification

The equipment shall include the following markings:

 II 2GD Ex d IIC T6, Ex tD A21 IP66/67 T 85°C

Cable entries

The accessory used for cable entries and for closing unused aperture shall be certified according to the Standards: EN 60079-0, EN 60079-1, EN 61241-0, EN 61241-1

This extension and annexed descriptive documents must be annexed to the EC-Type Examination Certificate CESI 00ATEX203.

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date 18/05/2007 - translation issued the 18/05/2007

prepared Sergio Mezzetti

verified Mirko Balaz

approved Fiorenzo Bregani



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Centro Elettrotecnico Sperimentale Italiano
Giacinto Motta SpA

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EXTENSION n. 01/07

to EC-Type Examination Certificate CESI 03ATEX 203

Report n. EX-A7013761

Routine tests

The manufacturer shall carry out the routine tests prescribed at par. 27 of the EN 60079-0 (2006) and at par. 24 of the EN 61241-0 (2006) Standards.

Descriptive documents (prot. EX-A7013762)

- Technical Note A4-893 (4 PG.)	Rev. 01	dated	13/03/2007
- Drawing n°. A4-894	Rev. 01	dated	13/03/2007
- Drawing n°. A4-1130	Rev. 00	dated	06/04/2007
- Drawing n°. A4-1131	Rev. 00	dated	06/04/2007
- EC Declaration of Conformity		dated	13/03/2007
- Safety Instruction A29 (5 pg.)	Rev. 01	dated	13/03/2007

One copy of all documents is kept in CESI files.

Essential Health and Safety Requirements

The Health and Safety Requirements are assured by compliance with the following Standards:

- EN 60079-0 : 2006: Electrical apparatus for explosive gas atmospheres.
General requirements
- EN 60079-1 : 2004 Flamoproof enclosures "d".
- EN 61241-0 : 2006 Electrical apparatus for use in the presence of combustible dust.
General requirements
- EN 61241-1 : 2004 Protection by enclosures "tD"

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