



[1] **EC-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective Systems or Component Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC**

[3] EC-Type Examination Certificate number:

**CESI 01 ATEX 011**

[4] Equipment: Field indicator mod. 695 FI

[5] Manufacturer: **ABB Instrumentation spa**

[6] Address: Via Statale 113, Lenno (Como), 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-A1/006117.

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

**EN 50014: 1997 + A1..A2    EN 50018: 2000    EN 50281-1-1:1999**

[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 with 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 GD EEx d IIC T6,T5 IP 67 T80°C, T95°C**

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

date February 21<sup>st</sup>, 2001 translation issued on February 25<sup>th</sup>, 2001

prepared CERT - M. Balaz

approved CERT - U. Colombo

**CESI**  
**CENTRO ELETTROTECNICO SPERIMENTALE ITALIANO**  
Responsabile Area Certificazione

page 1/3

[13]

## Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE N° CESI 01 ATEX 011**

[15] Description of equipment

The field indicator mod. 695 FI is an instrument which provides a field indication of a process variable, normally converted into a 4÷20 mA signal.

The field indicator is made by a metallic enclosure, a terminal block and a meter.

### Electrical characteristics

Input signal	4 ÷ 20 mA
Max. current	25 mA d.c.
Max. power	0.5 W

### Temperature class

T6 for ambient temperature - 40 ÷ + 70 °C

T5 for ambient temperature - 40 ÷ + 85 °C

### Maximum surface temperature T of the enclosure

T80 °C for ambient temperature -40 ÷ + 70 °C

T95 °C for ambient temperature -40 ÷ + 85 °C

Degree of protection                      IP 67

The accessories used for the cable entry and for closing unused holes shall guarantee a degree of protection IP 67 and shall be certified according to the standards EN 50014, EN 50018 and EN 50281-1-1.

### Plate warnings

Supply by cable with maximum service temperature not less than:

75 °C for T6, Tamb. + 70 °C

90 °C for T5, Tamb. + 85 °C

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

[13]

### **Schedule**

[14] **EC-TYPE EXAMINATION CERTIFICATE N° CESI 01 ATEX 011**

[16] Report N° EX-A1/006117

#### **Routine tests**

The manufacturer shall carry out the routine tests prescribed at clause 24 of the EN 50014 standard.  
The manufacturer is exempted from the routine overpressure test on the indicator mod. 695 FI since the indicator has passed the type test performed with the static method at a pressure of 52 bar, equal to 4 times the reference pressure.

#### **Descriptive documents (prot. EX-A1/006114)**

- Technical note n° 1H5-15-272XE	dated 05.02.2001
- Drawing n° 1H5-15-00272	dated 02.10.2000
- Safety instructions n° 1H5-15-076XA (16 p.)	dated 01.02.2001
- EC declaration of conformity (2 p.)	dated 05.02.2001

One copy of all documents is kept in CESI files.

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

None.

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

Covered by standards