

# CERTIFICATE



## EC-TYPE EXAMINATION CERTIFICATE

[1]

[2] Equipment or protective Systems intended for use in potentially explosive atmospheres

**Directive 94/9/EC**

[3] EC-type Examination Certificate number:

**ICEPI 10 ATEX 03C003X**

[4] Equipment: **Ultrasonic Level Transmitters series METERxU4\_**

[5] Manufacturer: **SGM LEKTRA S.r.l.**

[6] Address: **Via Papa Giovanni XXIII, 49 - 20090 Rodano (MI) - ITALIA**

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

[8] ICEPI S.p.A., Notified Body number 0066 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° RP10A0501.

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

**EN 60079-0: 2006 EN 60079-11: 2007 EN 60079-26: 2007 EN 1127-1: 2007**

[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 of this certificate.

[11] This EC-type Examination Certificate relates only to the design and construction of the specified equipment or protective system. Further requirements of this directive apply to the manufacture 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 1/2G Ex ia IIC T6**

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

Piacenza, 03.05.2010 – Translation issued on 08.09.2010

Prepared  
Gianluigi Bianchi

Verified  
Claudio Ponzinbio

Approved  
The Managing Director  
Dott. Ing. Andrea Guido Esposito



[13]

## Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. ICEPI 10 ATEX 03C003X**

[15] **Description of the equipment**

The Ultrasonic Level transmitters series METERxU4\_ are composed by an electronic device, contained in a metallic (aluminium) enclosure, and a compact electroacoustic transducer in a plastic enclosure (*dissipative PVDF*).

Four versions are planned, with different measuring ranges: **METER-** and **METER3**, with 5 m range, and **METER0** and **METER6** with 8 m range.

The metal parts of the ultrasonic transmitters are connected to the earth terminals.

The intrinsically safe circuits are electrically isolated from elements that may be earthed.

### Meaning of the identification code

The Ultrasonic Level transmitters series METERxU4\_ are identified by a code as follows:

<b>METER</b>	:	Ultrasonic Level measuring device
<b>x</b>	:	ATEX compliant versions (- and 0 = HART versions, 3 and 6 = standard versions)
<b>U</b>	:	Enclosure in aluminium
<b>4</b>	:	24 Vdc power supply (through certified Associated Apparatus)
<b>-</b>	:	A = without Display; D = with Display

### Rated characteristics

Rated voltage:	24 Vdc
Rated current:	4 - 20 mA
Ambient temperature:	- 20 ÷ + 60 °C

### Safety parameters

<b>U<sub>i</sub></b>	:	28 V
<b>I<sub>i</sub></b>	:	100 mA
<b>P<sub>i</sub></b>	:	0,7 W
<b>C<sub>i</sub></b>	:	negligible
<b>L<sub>i</sub></b>	:	negligible

[16] **Report n. RP10A0501**

### Routine verifications and tests

The Manufacturer shall carry out the routine verifications and tests required at paragraph 27 of the standard EN 60079-0.

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



[13]

## Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. ICEPI 10 ATEX 03C003X**

### Descriptive documents

1) – Technical File nr. DTC-METERxU4\_/ATEX (55 sheets)

dated 30.04.2010

A copy of the above listed documents is kept in ICEPI's file.

[17] **Special conditions for safe use (X)**

In case of risk of mechanical damage of the electroacoustic transducer, the ultrasonic transmitters series METER shall be installed in such a way that the transducer is protected against damage from the environment.

A transmitter series METER cannot be repaired; in case of failure or damage, it shall be eliminated or sent back to the manufacturer.

[18] **Essential health and safety requirements**

Covered by the conformity to the listed standards.

### Certification validity conditions.

Validity conditions of ICEPI's certification are indicated at points 4 & 5 of the contract between Client and ICEPI.

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