



Physical Technical Testing Institute
Ostrava-Radvanice



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:

FTZÚ 03 ATEX 0019X

(4) Equipment or protective system: **TX 6383 Flammable Gas Sensor / Transmitter**(5) Manufacturer: **TROLEX LIMITED,**(6) Address: **Newby Road, Stockport, Cheshire SK7 5DY, United Kingdom**

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

(8) The Physical Technical Testing Institute, notified body number 1026 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 of the Directive.

The examination and test results are recorded in confidential Report N°

03/0019 dated 28. 02. 2003

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN 61779-1 : 2000; EN 61779-2 : 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 testing 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 following:

 **I M1 EEx ia I**

This EC-Type Examination Certificate is valid till:

28.02.2008

Responsible person:

Date of issue: **28.02.2008**


Dipl. Ing. Sindler Jaroslav

Head of certification body



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Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule(14) **EC-Type Examination Certificate N° FTZÚ 03 ATEX 0019X**

(15) Description of Equipment or Protective System:

The TX 6383 - Series Flammable Gas Sensor/Transmitter is designed to measure the concentration of methane in the surrounding atmosphere over the range of 0 to 5 % v/v and to provide a 5 to 15 Hz; 0,4 to 2 V or 4 to 20 mA signal proportional to the concentration. This signal is then transmitted to the monitoring equipment. The electronics is housed in a polycarbonate enclosure. The sensor head may be mounted on the main unit or in a remote location connected by up to 10 m of cable.

This EC-Type Examination Certificate relates only to the performance of the equipment according to the requirement of standards listed in (9).

Explosion-proof design of the apparatus was approved by the certificate SIRA 01ATEX2299.

(16) Report No. : 03/0019


(17) Special conditions for safe use:

The equipment meets the Electromagnetic Compatibility requirements of EN 61779-1 : 2000, clause 4.4.21 and EN 50270 : 1999 for Type 1 equipment, but care should be taken when installing the unit as Type 2 equipment, to make sure that cabling is kept away from any danger of RF interference in the band 0,15 MHz to 80 MHz.

(18) Essential Health and Safety Requirements: -

Responsible person:

Date of issue: 28.02.2003


Dipl. Ing. Šindler Jaroslav
Head of certification body



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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 03 ATEX 0019X**

(19)

LIST OF DOCUMENTATION

<i>Document:</i>	<i>Issue:</i>	<i>Date:</i>
Operating Manual (22 pages)	K	03 / 03
P 5486.129 (sheet 2)	B	13.02.2003



(1) **Supplement No. 1 to
EC-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

(3) EC-Type Examination Certificate Number:

FTZÚ 03 ATEX 0019X

(4) Equipment or protective system: **TX6383 Flammable Gas Sensor / Transmitter**

(5) Manufacturer: **TROLEX LIMITED,**

(6) Address: **Newby Road, Stockport, Cheshire SK7 5DY, United Kingdom**

(7) This supplement of certificate is valid for: - prolongation of certificate validity

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains other requirements, which the manufacturer shall fulfil before products are placed on the market or introduced into service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:

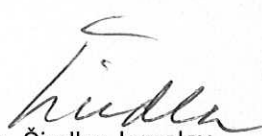
EN 61779-1 : 2000; EN 61779-2 : 2000

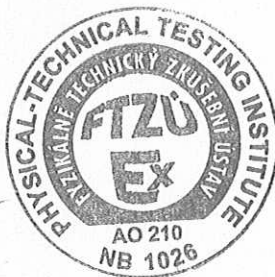
(11) Marking of equipment shall contain symbols:

 **I M1 EEx ia I**

(12) This type examination certificate is valid till: **13. 02. 2013**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 13.02.2008

Number of pages: 2
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Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14)

Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 03 ATEX 0019X

(15) Description of Equipment or Protective System:

Variation one:

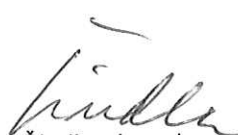
The validity of certificate is prolonged until **EXPIRY DATE** 13.02.2013. The certified apparatus is manufactured according to the unchanged documentation.

(16) Report No. : 03/0019/1

(17) Special conditions for safe use: remain unchanged

(18) Essential Health and Safety Requirements: -

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 13.02.2008

Number of pages: 2

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