



(1) **Supplementary Type Examination Certificate No. 2**

(2) **Equipment or Protective Systems Intended for Use  
in Potentially Explosive Atmospheres  
(Directive 2014/34/EU)**

(3) Type Examination Certificate number:

**FTZÚ 07 ATEX 0143X**

(4) Product: **TR011Ex series Temperature Sensor**

(5) Manufacturer: **SENSIT s. r.o.**

(6) Address: **Školní 2610, 756 01 Rožnov pod Radhoštěm, Czech Republic**

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 07 ATEX 0143X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.

(9) In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012+A11:2013, EN 60079-7:2015, EN 60079-31:2014**

(11) The marking of the product shall include the following:



**II 3G Ex ec IIC T6...T2 Gc**

**II 3D Ex tc IIIC T60°C...T230°C Dc**

(12) This certificate is valid till: **31.07.2022**

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 28.07.2017

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Physical-Technical Testing Institute  
Ostrava - Radvanice

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Schedule

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Supplementary Type Examination Certificate No. 2  
to FTZÚ 07 ATEX 0143X

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus;
- Evaluation according to the newest standards;
- Prolongation of certificate validity.

This supplementary certificate modifies the Ambient temperature range - see specific conditions and extension of diameters  $\varnothing$  5.7 mm to 6 mm;  $\varnothing$  7 mm to 10mm and  $\varnothing$  12 mm. The material of case-stainless steel according to manufacturer's specification. The type of Ex protection „tc“ was added.

The product is recertified according to the newest standards EN 60079-0:2012; EN 60079-7:2015 and EN 60079-31:2014.

Technical data:


Length of case: 40 to 400 mm with tolerance  $\pm$  1mm;  
Measuring current: maximum 3 mA  
Degree of protection: IP 65 – for cable with Teflon isolation  
IP 67 – for other supply cables

(16) Report Number.: 07/0142/2

(17) Specific Conditions of Use:

1. Ambient temperature range:
  - 20°C  $\leq$  Tamb  $\leq$  +60°C; Temperature class T6 (version with PVC cable);
  - 20°C  $\leq$  Tamb  $\leq$  +85°C; Temperature class T5 (version with PVC 105°C cable);
  - 30°C  $\leq$  Tamb  $\leq$  +180°C; Temperature class T3 (version with SILICONE cable);
  - 40°C  $\leq$  Tamb  $\leq$  +230°C; Temperature class T2 (version with TEFLON cable).
2. The cable shall be protected from pull-off from the device when installed.
3. Installation of sensor shall be performed only in the places with low risk of mechanical danger.
4. Free end of cable shall be connected only outside Zone 2 or Zone 22.

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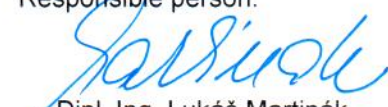
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Sheets	Issue	Date	Description
TR011Ex.T01	6	B	01.04.2017	Technical parameters
3406.2	4	--	08/2016	User manual
3407.2	4	--	08/2016	User manual
TR011Ex.0E	2	1	07.10.2016	Drawing
TR011Ex.0E	2	2	19.04.2017	Drawing

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