



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

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

(3) Type Examination Certificate number:

FTZÚ 15 ATEX 0148X

(4) Product: **Temperature Sensors K 120Ex and K 160Ex series**

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

(6) Address: **Školní 2610, 756 61 Rožnov pod Radhoštěm, Czech Republic**

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 15 ATEX 0148X 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 IEC 60079-0:2018, EN 60079-7:2015 +A1:2018, EN 60079-31:2014

If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

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

 **II 3G Ex ec IIC T6 Gc
II 3D Ex tb IIIC T80°C Dc**

(12) This certificate is valid till: **28.02.2026**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 26.02.2021

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This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

**Supplementary Type Examination Certificate No. 1
to FTZÚ 15 ATEX 0148X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards.
- Prolongation of certificate validity.

The design of the product was unchanged. Basic technical parameters remain unchanged.

Ex marking was updated – see cl. (12).

The product is verified according to standards EN IEC 60079-0:2018, EN 60079-7:2015 +A1:2018 and EN 60079-31:2014.

(16) Report Number: 15/0148/1

(17) Specific Conditions of Use:

1. Ambient temperature range: $30^{\circ}\text{C} \leq T_{\text{amb}} \leq +80^{\circ}\text{C}$.
2. The supply cable shall be protected against pull-off from the device.
3. Product must be installed to avoid a risk from propagating brush discharges for application in explosive dust atmosphere.
4. The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.
5. Transient external protection shall be provided that is set at a level not exceeding 140 % of the peak rated DC voltage at the supply terminals to the equipment

(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	Issue	Sheets	Date	Description
K120Ex.T01	B	5	01.12.2020	Technical parameters PTK 120Ex
3003.6	--	4	11/2020	User manual PTK 120Ex
K160Ex.T01	B	5	01.12.2020	Technical parameters PTK 160Ex
3103.5	--	4	11/2020	User manual PTK 160Ex

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