



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 0237 U

- (4) Component: **Flameproof potentiometer, model X 195RP**
- (5) Manufacturer: **GENERI, spol. s r.o.**
- (6) Address: **Uničovská 50, 787 01 Šumperk, Czech republic**

- (7) This Component 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 to the Directive.

The examination and test results are recorded in confidential Report N°
03/0237 dated 19 January 2004

- (9) Compliance with Essential Health and safety requirements has been assured by compliance with:
EN 50014:1997+A1+A2 EN 50018:2000 EN 50 281-1-1:1998
- (10) The sign „U“ placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This EC-TYPE EXAMINATION CERTIFICATE relates only to design, examination and testing of the specified component in accordance to the directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.
- (12) The marking of the component shall include following:

 **I M 2 / II 2GD EEx dm I / IIC**

This EC-Type Examination Certificate is valid till: **31 January 2009**

Responsible person:


Mr. Jaroslav Šindler
Head of certification body



Date of issue: 21 January 2004

Number of pages: 1/2

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 03 ATEX 0237 U**

(15) Description of Component:

The body of the potentiometer is installed in the enclosure made of steel. The wheel of the potentiometer make with the enclosure a cylindrical joint. The opposite side of the potentiometer with the wires is sealed with compound acc. standard for hermetization.

The assembly of the potentiometer is classified as EEx dm IIC .

(16) Report No. : 03/0237

46 pages

(17) Schedule of Limitations:

T_{operate.max} : 70°C

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9) of this certificate.

(19) LIST OF DOCUMENTATION

➤ Drawings No:

Flameproof potentiometer	G-3-902820/2	dated	04.09.2003
Enclosure of the potentiometer	G-4-170014	dated	05.09.2003
Wheel "A"	A 726..	dated	unlisted
➤ Technological prescription for sealing	T730017	dated	01.09.2003
➤ Lay-out of the label		dated	05.09.2003

Responsible person:


Mr. Jaroslav Šindler
Head of certification body



Date of issue: 21 January 2004

Number of pages: 2/2

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This certificate may only be reproduced in its entirety and without any change, schedule included.



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 0237U

(4) Component: **Flameproof potentiometer, model X 195RP**

(5) Manufacturer: **GENERI, spol. s r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech republic**

(7) This supplement of certificate is valid for: - modification of certified component
- prolongation of certificate validity and recertification according to the Standards EN 60079-0, EN 60079-1, EN 61241-0, EN 61241-1

(8) Modification of certified component 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 relates only to design, examination and testing of the specified component in accordance to the directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.

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


EN 60079-0, ed.2:2006, EN 60079-1:2004, EN 60079-18:2004, EN 61241-0:2006, EN 61241-1:2004

(11) Marking of component shall contain symbols:

 **I M2 Ex d I**

 **II 2G Ex d IIC**

-60°C ≤ T_{serv} ≤ 115°C

 **II 2D Ex d tD A21 IIC**

-60°C ≤ T_{serv} ≤ 115°C

(12) This type examination certificate is valid till: **30.06.2014**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 02.06.2009

Number of pages: 2

Page: 1/2

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute. This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.



**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14)

**Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 03 ATEX 0237U**

(15) Description of Component:

The construction of the potentiometer was changed from protection encapsulation "m" to the flameproof part from non metallic materials according to the standard EN 60079-0 and EN 60079-1. The new one encapsulating material was used.

Further the potentiometer was certified according to the standards EN 61241-0 and EN 61241-1 for application in dust hazardous area.

(16) Report No. : 03/0237-D1

(17) Schedule of limitations:

17.1 Tserv.: -60°C to +115°C

17.2 Tserv +70°C declared in the main document is canceled.

(18) Essential Health and Safety Requirements:

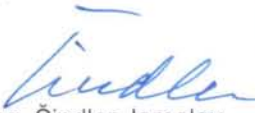
Covered by standards mentioned in (10) of this supplement

The tests relevant to the construction changes and change of the moulding were made regarding to the standards EN 60079-0, EN 60079-1, EN 61241-0 and EN 61241-1.

(19) LIST OF DOCUMENTATION

- o Flameproof potenciometer drawing No.. G-3-902820/ed.2 dated 7.4.2009
- o Technological prescription-moulding rule No.. T730017 (2 pages) dated 7.4.2009

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 02.06.2009

Number of pages: 2

Page: 2/2

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.



(1) **Supplement No. 2 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 0237U

(3) Component: **Flameproof potentiometer, model X 195 RP**

(4) Manufacturer: **GENERI, s.r.o.**

(5) Address: **Uničovská 50, 787 01 ŠUMPERK, Czech Republic**

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

(7) Modification of certified component and any of its approved variants are specified in documentation, a list of which is mentioned in schedule of this certificate.

(8) This supplement to type examination relates only to design, examination and testing of the specified component in accordance to the directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.

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

EN 60079-0:2012; EN 60079-1:2007

(10) Marking of equipment shall contain symbols:

 **I M2 Ex d I Mb**
 **II 2G Ex d IIC Gb** **-60°C ≤ T_{serv} ≤ +115°C**

(11) This type examination certificate is valid till: **30.06.2019**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.06.2014

Page: 1/2

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



Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14)

Supplement No. 2 to

EC-Type Examination Certificate N° FTZÚ 03 ATEX 0237U

(15) Description of Component:

Flameproof potentiometer, model X 195 RP is recertified according standards EN 60079-0:2012 and EN 60079-1:2007.

Equipment parameters are without any changes.

(16) Report No.: 03/0237-2

(17) Schedule of Limitations:

17.1 $-60^{\circ}\text{C} \leq T_{\text{serv}} \leq +115^{\circ}\text{C}$.

17.2 Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (10) of this supplement.

(19) List of Documentation:

- | | | |
|--|--------------|------------------|
| ➤ Certification drawing No.: | G-3-902820/2 | dated 04.06.2014 |
| ➤ User manual No.: | N740091 | dated 04.06.2014 |
| ➤ Technological prescription for sealing | T730017 | dated 04.06.2014 |

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.06.2014

Page: 2/2

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