



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 02 ATEX 0281

(4) Equipment or protective system: **Telephone type TIG-...**

(5) Manufacturer: **Telvis SP. z o.o.**

(6) Address: **ul. Osikowa No. 69, 40-181 Katowice, Poland**

(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 to the Directive.

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

02/0281 dated 19. 12. 2002

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

EN 50014:1997 + A1, A2; EN 50020:1994 EN 50284:1999 EN 50303:2000

(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 or**

 **II 1G EEx ia IIC T5**

This EC-Type Examination Certificate is valid till: **19 of December 2007**

Responsible person:

Dipl. Ing. Šindler Jaroslav

Head of certification body



Date of issue: 19 of December 2002

Number of pages: 3

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Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 02 ATEX 0281**

(15) Description of Equipment or Protective System:

Telephones type TIG-... are produced in five versions. TIG is a basic version, TIG-S is a version with optical indicator, TIG-D is a version with supplementary earphone and TIG-SD includes optical indicator as well as supplementary earphone. Version TIG-.../CB doesn't include keyboard. They can be connected to automatic switch-boards via approved separation element with intrinsically safe output, whose output parameters doesn't exceed input parameters of telephone.

Technical specification for apparatus group I, category M1:

Terminals L_a, L_b: U_i = 60 V; I_i = 66 mA; P_i = 1,5 W; C_i = 0; L_i = 0,1 mH (R_{i min} = 700 Ω)

Terminals LZ9, LZ10: U_i = 24 V; I_i = 100 mA; P_i = 100 mW; C_i = 0; L_i = 0

Technical specification for apparatus group II, category 1G:

Terminals L_a, L_b: U_i = 35 V; I_i = 35 mA; P_i = 1,3 W; C_i = 0; L_i = 0,1 mH (R_{i min} = 700 Ω)

Terminals LZ9, LZ10: U_i = 24 V; I_i = 100 mA; P_i = 100 mW; C_i = 0; L_i = 0

Ambient temperature: - 40° to + 40°C

(16) Report No. : 02/0281 (29 pages)


(17) Special conditions for safe use: -

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9).

Responsible person:

Date of issue: 19 of December 2002


Dipl. Ing. Šindler Jaroslav
Head of certification body



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(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 02 ATEX 0281**

(19)

LIST OF DOCUMENTATION

- | | | |
|--|----------------------|------------------------|
| 1. Certificate FTZÚ 98 Ex 0045 (3 pages) | | on 27.02.1998 |
| 2. Certificate FTZÚ 00 Ex 0172X (3 pages) | | on 28.02.2000 |
| 3. Technical documentation 25.D0.2.00 (14 pages) | | 12 / 2002 |
| 4. Drawings No. | 25.E1.2.00 | on 25.09.2002 |
| | 25.W1.2.00 (4 pages) | verified 19.12.2002 |
| | 25.E1.2.10 | on 27.09.2002 |
| | 25.E1.2.11 | on 27.09.2002 |
| | 25.E2.2.12 | on 27.09.2002 |
| | 25.M1.2.00 | on 19.09.2002 |
| | 25.M1.2.10 | on 27.09.2002 |
| 5. Drawing of plat | 25.M1.2.20 | verified on 27.09.2002 |



Physical Technical Testing Institute
Ostrava-Radvanice



Supplement No. 1 to 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 02 ATEX 0281

(4) Equipment or protective system: **Telephone type TIG-...**

(5) Manufacturer: **Telvis SP. z o.o.**

(6) Address: **ul. Osikowa No. 69, 40-181 Katowice, Poland**

(7) This supplement of certificate is valid for: - application of new standards
- 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 another requirements, which manufacturer shall fulfil before products are place on market or introduce in service.

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

EN 60079-0 : 2006; EN 60079-11 : 2007, EN 50303 : 2000; EN 60079-26 : 2004

(11) Marking of equipment shall contain symbols:

 **I M1 Ex ia I**

 **II 1G Ex ia IIC T5**

(12) This type examination certificate is valid till: **30. 11. 2012**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 30.11.2007

Number of pages: 3

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Physical Technical Testing Institute
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(13)

Schedule

(14)

Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0281

(15) Description of Equipment or Protective System:

The device was assessed according to the new series of standards. There were made minor changes to schematic, PCB and parts lists. These changes are included in the list of documents, see page 3.

The described changes do not affect the intrinsic safety assessment.

(16) Report No. : 02/0281-1

(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements: remain unchanged

Responsible person:

Date of issue: 30.11.2007


Dipl. Ing. Šindler Jaroslav
Head of certification body



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Schedule

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Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0281

(19)

LIST OF DOCUMENTATION

<i>Documentation:</i>	<i>Date:</i>
1. Technical documentation (13 pages)	10/2007
2. Drawings No.:	
25.E1.3.00	10/2007
25.E1.3.10	10/2007
25.E1.3.11	10/2007
25.E1.3.12	10/2007
25.E2.3.01	10/2007
25.M1.3.00	10/2007
25.M1.2.10	10/2007
25.M1.3.20	10/2007
25.E1.3.20	10/2007
25.E1.2.30	10/2007
3. Part List:	
25.W1.3.00	10/2007

Responsible person:

Date of issue: 30.11.2007


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Head of certification body



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(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 02 ATEX 0281

(4) Equipment or protective system: **Telephone type TIG-...**

(5) Manufacturer: **Telvis SP. z o.o.**

(6) Address: **ul. Karoliny 4, 40-186 Katowice, Poland**

(7) This supplement of certificate is valid for:

- application of new standards
- prolongation of certificate validity
- change of manufacturer's address
- modification of apparatus marking

(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 another requirements, which manufacturer shall fulfil before products are place on market or introduce in service.

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

EN 60079-0 : 2009; EN 60079-11 : 2007, EN 50303 : 2000; EN 60079-26 : 2007

(11) Marking of equipment shall contain symbols:

 **I M1 Ex ia I Ma**

 **II 1G Ex ia IIC T5 Ga**

(12) This type examination certificate is valid till: **08. 04. 2016**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 08.04.2011

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

(13) **Schedule**

(14) **Supplement No. 2 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0281**

(15) Description of Equipment or Protective System:

The certified apparatus is manufactured according to the verified documentation shown in the basic certificate, the Supplements No. 1 and in this Supplement and complies with requirements of upgraded standards listed in (10).

The validity of the certificate is prolonged till 08.04.2016.

Manufacturer's address was also changed.

Input parameters remain unchanged.

(16) Report No. : 02/0281-2 (3 pages)

(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements:
Covered by standards mentioned in (10).

(19) Documentation:

1. Technical description No. 25.DO.4.00 (13 pages)
2. Instruction for use No. 25.DO.4.00/U (17 pages)
3. Drawings No.: 25.M1.4.20

Date:

04/2011

04/2011

2011

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 08.04.2011

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