



(1) **Supplementary EU - Type Examination Certificate No. 7**

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

(3) EU - Type Examination Certificate number:

FTZÚ 02 ATEX 0224

(4) Product: **TMG N/JB Series Pressure Transmitter**

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

(6) Address: **Hasičská 2643, 756 61 Rožnov pod Radhoštěm, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 02 ATEX 0224 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, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, 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.




(9) In accordance with Article 41 of Directive 2014/34/EU, EC-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 EC-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 60079-11:2012; EN 50303:2000

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:

 **I M1 Ex ia I Ma**
 **II 1G Ex ia IIB T4 Ga**
 **II 1D Ex ia IIIC T135°C Da**

(12) This certificate is valid till: **30.04.2029**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.04.2024

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This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical-Technical Testing Institute
Ostrava - Radvanice

Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 7
to FTZÚ 02 ATEX 0224**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of the marking of a certified product.
- Extension of certificate validity.

The TMG N/JP Series Pressure Transmitters are designed to convert a process pressure measurements into current loop 4 – 20 mA or 0.2 – 1 mA or voltage signal 0.05 – 1 V. The apparatus comprises of the pressure sensor and two printed boards, all housed in an antistatic plastic enclosure. External connection is made via a connector.

The subject of this Supplementary EU Type Examination Certificate is the extension of the certificate, the extension of the validity for explosive dust atmospheres Group IIIC and Zone 20 and the evaluation of the product. The design and technical parameters of the certified product remain unchanged, the parameters for Group II 1D are added.

Intrinsically safe parameters:

Group I:

Supply: $U_i = 24 \text{ V}$; $C_i = 240 \text{ nF}$; $L_i = 80 \text{ }\mu\text{H}$

Output: current loop 4 – 20 mA or 0.2 – 1 mA or voltage 0.05 – 1 V

Group IIB, IIIC:

Supply: $U_i = 24 \text{ V}$; $I_i = 65 \text{ mA}$; $P_i = 660 \text{ mW}$; $C_i = 240 \text{ nF}$; $L_i = 80 \text{ }\mu\text{H}$

Output: current loop 4 – 20 mA

Supply / signal circuit, connector DIN 43650:

Ambient temperature: $0^\circ\text{C} \leq T_a \leq +60^\circ\text{C}$

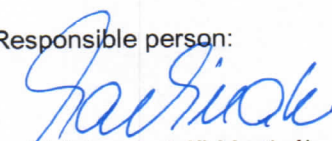
Degree of protection by enclosure: IP 65

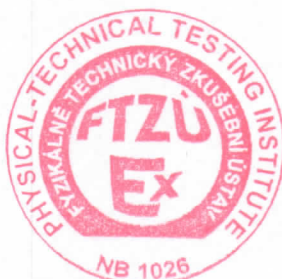
(16) Report Number: 02/0224/7

(17) Specific Conditions of Use:

None.

Responsible person:


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Head of Certification Body



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Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 7
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(18) Essential Health and Safety Requirements:

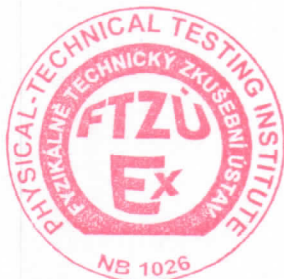
Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Revision	Sheets	Date	Description
01871.01617.1.03.04	2	1	09.02.2024	Label JB - G
01211.3315.8.02.05	--	5	02.2024	User manual

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