



TYPE APPROVAL CERTIFICATE

Certificate No. : MIL04934-AE014 **Initial Approval :** 7th July, 2014
Product : Pressure Transmitter
Manufacturer : Trafag AG
Industriestrasse 11, CH-8608 Bubikon, Switzerland

Product Description : Ex Pressure Transmitter EXNT
Type : 8292
" See Appendix 1 "

Approval Condition : " See Appendix 1 "

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 6th July, 2024

Issued at Busan, Korea on 21st October, 2019



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No (ME19029460619) and certificate No. (MIL04934-AE014).



KOREAN REGISTER OF SHIPPING

*General Manager of
Marine & Ocean Equipment Team*

- Note :**
1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
 2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
 3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
 4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Appendix 1

Product Description and/or Approval Condition

Certificate No : MIL04934-AE014

Date of Issue : 21st October, 2019

A. Product Description

1. Product Specification

1) Product Description

- Power supply : 24 V DC(10 ~ 30V DC)
- Signal output : 4 ~ 20 mA
- Pressure ranges : 0 ~ 0.04 to 0 ~ 2000 bar
- Ex-proof Grade : II 1G Ex ia IIC T4/T6 Ga
II 1D Ex ia IIIC T130°C Da
I M1 Ex ia
II 1/2G Ex ia IIC T4/T6 Ga/Gb (Execution with plastic-type connetor)

2. Approved Drawings and Documents

1) Drawings

- Dwg. No. B63800f, C16588m

2) Data sheet

- H72329s (2019.03)

3) Ex certificate

- IECex SEV 11.0003X Rev.2 (2017.05), SEV 11 ATEX 0201 X Rev.02 (2017.05)

3. Test Reports, etc.

1) Environmental/EMC Test Report

- Test Report No. V-12058 on 4th February 2013
- Test Report No. V-14001 on 21th January 2014
- Test Report No. EMCKP1814A on 12th August 2011
- Test Report No. 19CH-00603.E01 on 30th September 2019

B. Approval Condition

1. Application & Limitation

- 1) This approval is granted on the basis of the test reports and the approved documentation.
- 2) Explosion-proof certification by a notified/recognized Certification Body is not covered by this certificate. Ratings and Special Condition for Safe Use in hazardous areas are to be obtained from the relevant valid Ex-Certificate.

2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual Product Certification is not required.

3. Marking

- 1) The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.

4. Others

1) Test condition

Test	Condition	Remark
EMC	All locations excluding the bridge and deck zone	Up to 6GHz
Temperature	-40 ~ +120°C	-
Vibration	Acceleration $\pm 4g$	-
Degree of protection	IP65	-

< End of Certificate >