



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate supersedes certificate number 06/20052 (E2) issued on 19.12.2011 which is hereby cancelled.

This certificate is issued to:

PRODUCER

Trafag AG
Industriestrasse 11
8608 Bubikon
Switzerland

DESCRIPTION

Pressure transmitter

TYPES

8264. ①.②③.④.19.⑤PICOTRANS NPN
① = Pressure range: 75, 76, 77, 78, 79, 80, 81, 82, 83, 85, 74
(0 to 2.5 and 0 to 250bar)
xx = Customized ranges on request
② = Sensor relative pressure, accuracy: 23 (0.3%) or 25 (0.5%)
③ = Pressure connection: 10, 18, 17 (G1/4", G1/8" or M10x1.0-female)
④ = Execution:
04 (male electrical plug EN 175301-803-A: 2006, Mat.: PA)
78 (cable with shield 4 x 0.5mm2)
⑤ = Accessories: 40, 41, 43, 45, 55, 57, 58, 74, 92, V3, 1M, 3M, 5M

8298. ①.②③.④.⑤.⑥EPN
① = Pressure range: 75, 76, 77, 78, 79, 80, 81, 82, 83, 85, 74, 84, 86, 89, 90, 91
(0 to 2.5 or 0 to 2500bar)
xx = customized ranges on request
② = Sensor relative pressure, accuracy: 23 (0.3%) or 25 (0.5%)

Certificate No.

06/20052 (E3)

Issue Date

18 January 2017

Expiry Date

18 December 2021

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Ronny Lehmann
Hamburg Technical Support Office
Lloyd's Register EMEA



LR031.1.2016.06
Hamburg Technical Support Office
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71 Fenchurch Street, London EC3M 4BS

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TYPES (continues)

- ③ = Pressure connection:
11, 17, 19 (for ranges ≤600 bar: G1/2" -male,
G1/4" or R1/4", male)
28, 29 (for ranges >600 bar: M14x1.5 or M18x1.5, male)
- ④ = Execution:
04 (male electrical plug EN175301-803-A, Mat.: PA)
05 (male electrical plug EN175301-803-A, Mat.: PA,
extended vibration resistance)
78 (cable with shield 4 x 0.5mm²)
25 (male electrical plug DIN 72585 Code 1, Mat.: PBT, only
with output 23)
- ⑤ = Output: 19 (4 to 20 mA, U_{Supply} 9 to 32V DC)
23 (0.5 to 4.5V DC; U_{Supply} 5V DC ± 0.25V DC ratiometric;
only execution 25)
- ⑥ = Accessories: 40, 43, 45, 58, 92, 1M, 3M, 5M

APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Registers Type Approval System, Test Specification Number 1 - 2002.

ADDITIONAL TESTS

Dry heat (+125°C / 16 hrs) for Series 8298
 Dry heat (+100°C / 16 hrs) for Series 8264
 Low temperature (-40°C / 16hrs)
 Vibration test: 10g / 50 to 2000Hz for 8264 (Execution 04 / accessories 55)
 15g / 50 to 2000Hz for 8264 (Execution 04)
 15g rms for 8264 (Execution 78)
 10g / 50 to 2000Hz for 8298 (Execution 04)
 15g / 20 to 2000Hz for 8298 (Execution 05)
 15g rms for 8298 (Execution 25)
 20g rms for 8298 (Execution 78)
 Enclosure IP 65 and IP69K

DESIGN CODE

Manufacturer's specification

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TECHNICAL DATA

8264 type:
Sensor: Thin film on steel
Signal Output: 4 to 20 mA
Degree of protection: IP65 (execution 04); IP69K (execution 78)

8298 type:
Sensor: Thin film on steel
Signal Output: 4 to 20 mA or 0.5 to 4.5V DC (ratiometric)
Degree of protection: IP65 (execution 04); IP69K (execution 25 and 78)

OTHER CONDITIONS

Limitations of measuring accuracy and accessories description are to be obtained from the manufacturer's data sheet.

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 34653-17 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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