

## 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.

<b>Manufacturer</b>	<b>Trafag AG</b>
<b>Address</b>	Industriestrasse 11, Bubikon, 8608, Switzerland
<b>Type</b>	Transmitters/Transducers
<b>Description</b>	Pressure transmitter  Refer to the Appendix for further details.
<b>Trade Name</b>	8264, 8298 and 8488
<b>Application</b>	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.
<b>Specified Standard</b>	Manufacturer's specification
<b>Additional Tests</b>	Dry heat (+125°C / 16hrs) 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)

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20g rms for 8298(Execution 78)  
Enclosure IP 65 and IP69K

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

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** 06/20052 (E3)

The Design Appraisal Document HTS/ETS 42363-22/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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## Appendix

### TYPES

#### 8264. ①.②③.④.19.⑤PICOTRANS NPN

① = Pressure range: 75, 76, 77, 78, 79, 80, 81, 82, 83, 85, 74  
(0 ... 2.5 to 0 ... 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 0.5mm<sup>2</sup>)

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 ... 2.5 to 0 ... 2500bar)

xx = customized ranges on request

② = Sensor relative pressure, accuracy: 23 (0.3%) or 25 (0.5%)

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 0.5mm<sup>2</sup>)

25 (male electrical plug DIN 72585 Code 1, Mat.: PBT, only  
with output 23)

⑤ = Output: 19 (4 to 20 mA, U<sub>supply</sub> 9 to 32VDC)

23 (0.5 to 4.5V DC; U<sub>supply</sub> 5V DC ± 0.25VDC ratiometric;  
only execution 25)

⑥ = Accessories: 40, 43, 45, 58, 92, 1M, 3M, 5M

#### 8488.①.②③.④ 0000 0000 ⑤.⑥

① = Measuring range: 71, 73, 75, 76, 77, 78, 79, 80, 81  
(0 ... 1 to 0 ... 40bar)

xx = customized ranges on request

② = Sensor: 25 Relative pressure, class 0.5% process connection and housing material  
1.4542 (AISI630)

35 Relative pressure, class 0.5% process connection and housing material  
1.4404/1.4435 (AISI316L)

23 Relative pressure, class 0.3% process connection and housing material 1.4542 (AISI630)

33 Relative pressure, class 0.3% process connection and housing material 1.4404/1.4435 (AISI316L)

③ = Pressure connection: 31 M14x1.5 DIN 6149-2  
22 M14x1.5 DIN 3852-A  
33 M18x1.5 DIN 6149-2  
xx M20x1.5 DIN 9974-B  
36 9/16"-18UNF2A J1926 SAE 6

④ Electrical connection: 05 Male electrical plug EN 175301-803-A, Mat PA  
25 Male electrical plug DIN72585 Code 1  
08 Cable Radox

⑤ Output signal: 19 4...20 mA  
23 0.5...4.5 VDC

⑥ Accessories: 58, 33, 34, L9, VM