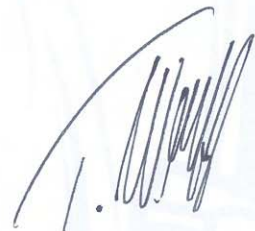


Type Approval Certificate Extension

This is to certify that Certificate No. 01/20004 (E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Trafag AG Emil-Staub-Strasse 1 CH-8708 Männedorf Switzerland
PLACE OF PRODUCTION	Trafag spol. s.r.o. Vilemovska 2129 CZ-34701 Tachov Czech Republic
DESCRIPTION	Bellows type pressure switch with fixed and adjustable switching differential. Bellows type differential pressure switch and piston type pressure switch with fixed switching differential.
TYPES	PRESSOSTAT and VARI-PRESSOSTAT DIFFERENTIAL- PRESSOSTAT and PISTON-TYPE-PRESSOSTAT PRESSOSTAT VARI-PRESSOSTAT Bronze or stainless steel bellows in brass or stainless steel housing. Designations: 900 XX YY 903 XX YY 904 XX YY 907 XX YY 912 XX YY 915 XX YY 940 XX YY 941 XX YY 942 XX YY
Certificate No.	01/20004 (E3)
Issue Date	04 March 2010
Expiry Date	07 February 2015
Sheet	1 of 3



Thorsten Wolff
Hamburg Plan Approval Centre
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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TYPES CONTINUATION

Pressure Ranges (bar) (YY)		Switch Element Type Designations (XX)
-0.9 to 1.5	72	12
0.2 to 1.6	73	23
0.2 to 2.5	75	26
0 to 4	76	
0 to 6	77	
1 to 10	78	
1 to 16	79	
2 to 25	80	

DIFFERENTIAL-
PRESSOSTAT
(with bronze or stainless
steel bellows and brass
or stainless steel housing)

920 XX YY
932 XX YY
924 XX YY

PISTON-TYPE-
PRESSOSTAT
(with Nitril or Viton
O-ring)

944 XX YY
953 XX YY
947 XX YY

Pressure Ranges (bar) (YY)		Pressure Ranges (bar) (YY)		Switch Element Type Designation (XX)
-0.6 to 3.4	74	1 to 10	78	23
0 to 4	76	4 to 40	81	26
0 to 6	77	6 to 60	82	
1 to 10	78	10 to 100	83	
1 to 16	79	16 to 160	84	
		25 to 250	85	
		40 to 400	86	
		60 to 600	87	

Certificate No. 01/20004 (E3)
Issue Date 04 March 2010
Expiry Date 07 February 2015
Sheet 2 of 3



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APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 1990.

"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."

The attached Design Appraisal Document No. ETS 22729-10 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 01/20004 (E2) to which this extension should be attached.

Certificate No.	01/20004 (E3)
Issue Date	04 March 2010
Expiry Date	07 February 2015
Sheet	3 of 3



Thorsten Wolff
Hamburg Plan Approval Centre
Lloyd's Register EMEA

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71 Fenchurch Street, London EC3M 4BS

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Marine Design Appraisal Document

Lloyd's Register EMEA
Hamburg Design Support Centre
Am Sandtorkai 41
20457 Hamburg, Germany
Telephone +49 (0)40 328107 - 0 Fax +49 (0)40 328107 - 480
Email: hamburg-design-support@lr.org

Date
04 March 2010

Quote this reference on all future communications
HPC 0920538/22729-10/TW/MG

**THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2002
ISSUED TO: TRAFAG AG
FOR: RELATIVE PRESSURE TRANSMITTER
TYPE APPROVAL CERTIFICATE NO. 01/20004 (E3)**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the certificate.

ADDITIONAL APPROVAL DOCUMENTATION

unnumbered	Request Form	20.11.2009
H72252h	Data Sheet 900/904/912	04/2009
H72257i	Data Sheet 903/907/915/940/941/942	04/2009
H72253i	Data Sheet 920/924/932	04/2009
H72259i	Data Sheet 944/947	04/2009

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

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

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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Am Sandtorkai 41
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Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.



Thorsten Wolff
Senior Surveyor
Electrotechnical Systems
Hamburg Design Support Centre
Lloyd's Register EMEA
T +49 (0)40 328107-445
E thorsten.wolff@lr.org



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