



Lloyd's
Register

LR Type Approval Certificate Extension

This is to certify that Certificate No. 00/30009 (E2) for the undernoted products is amended, extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Klay Instruments B.V. Nijverheidsweg 5 7991 CZ DWINGELOO The Netherlands
PLACE OF PRODUCTION	Klay Instruments B.V. Nijverheidsweg 5 7991 CZ DWINGELOO The Netherlands
DESCRIPTION	Electronic pressure and level transmitters
TYPE	Series 8000, 8000-SAN, 8000-Cable, 8000-SAN-Cable, CER-8000, Hydrobar-EXTD, Hydrobar-Cable and Hydrobar-Cable-FR. Series 2000, 2000-SAN, 2000-Cable, 2000-SAN-Cable, CER-2000, 2000-Hydrobar-Cable, 2000 Hydrobar-EXTD and Hydrobar-I-Cable
APPLICATION	Marine application for use in Environmental Categories: ENV1, ENV2, ENV3 and ENV5 as defined in Lloyd's Register Type Approval Scheme, Test Specification Number 1, 2002.
Certificate No.	00/30009(E3)
Issue Date	30 October 2015
Expiry Date	05 September 2020
Sheet	1 of 2

H.L. Reekers
Rotterdam Type Approval
Lloyd's Register EMEA

Lloyd's Register EMEA
P.O. Box 701, 3000 AS Rotterdam

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STANDARD

Manufacturer's specification

OTHER CERTIFICATION

EC-Type Examination Certificate Number: KEMA 03ATEX1219 X Issue Number: 5 for Series 8000, Series 8000-SAN, Series CER-8000, Series 8000-Cable, Series 8000-SAN-Cable, Hydrobar-EXTD, Hydrobar-Cable and Hydrobar-Cable-FR.

EC-Type Examination Certificate Number: KEMA 03ATEX1092 X Issue Number: 4 for Series 2000, Series 2000-SAN, Series 2000-Cable, Series 2000-SAN-Cable, Series CER-2000, Series 2000-Hydrobar-Cable, Series 2000-Hydrobar-EXTD, Temperature Transmitter Type TT -2000 and Pressure I Level Transmitter Type Hydrobar-I-Cable.

Both for hazardous area II 1 G Ex ia IIC T4 Ga

"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 LR of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. ROT.TA/1590342 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate is no longer valid when Standards or Rules are amended.

All other details remain as the previous certificate no 00/30009(E2) to which this extension should be attached.

Certificate No. 00/30009(E3)
Issue Date 30 October 2015
Expiry Date 05 September 2020
Sheet 2 of 2

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**Lloyd's Register EMEA (Rotterdam
Office)**

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3062 MB Rotterdam
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Document number ROT.TA/1590342
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 30 October 2015	Quote this reference on all future communications ROT.TA/1590342/HLR
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

Issued to: Klay Instruments B.V.

for: Electronic pressure and level transmitters

**Series 8000, 8000-SAN, 8000-Cable, 8000-SAN-Cable, CER-8000, Hydrobar-EXTD,
Hydrobar-Cable and Hydrobar-Cable-FR. Series 2000, 2000-SAN, 2000-Cable, 2000-
SAN Cable, CER-2000, 2000-Hydrobar-Cable, 2000 Hydrobar-EXTD and Hydrobar-I-
Cable**

TYPE APPROVAL CERTIFICATE No. 00/30009(E3)

The under noted 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.

APPROVAL DOCUMENTATION

- Reviewed Application Checklist – Appendix to Form 2502TA/2502TA MR dated 27 August 2015
- ISO 9001 certificate no 2024566 issued by DEKRA
- EC-Type Examination Certificate Number: KEMA 03ATEX1219 X Issue Number: 5
- EC-Type Examination Certificate Number: KEMA 03ATEX1092 X Issue Number: 4
- See previous approval documentation
- Klay Instruments products overview catalogue

TEST REPORTS

- See previous test reports

Supplementary Type Approval Terms and Conditions

LR 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.

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

This LR Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations of Lloyd's Register of Shipping.

Lloyd's Register of Shipping reserves the right to cancel or withdraw this LR Type Approval Certificate in accordance with the LR Type Approval System Procedure.

H. L. Reekers
Senior Surveyor
Type Approval Department