



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx PRE 15.0073** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2017-09-15\)](#)
[Issue 0 \(2015-12-14\)](#)
Date of Issue: 2020-12-15
Applicant: **KONGSBERG MARITIME AS**
Skonnertvegen 1
Ranheim 7053
Norway
Equipment: **Inclinometer**
Optional accessory:
Type of Protection: **Flameproof enclosures**
Marking: Ex db IIC T5 Gb -40°C≤Ta≤+80°C

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager, Ex-products

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DNV GL Presafe AS
Veritasveien 3
1363 Høvik
Norway





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Manufacturer: **KONGSBERG MARITIME AS**
Skonnertvegen 1
7053 Ranheim
Norway

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[NO/PRE/ExTR15.0070/01](#)

[NO/PRE/ExTR15.0070/02](#)

Quality Assessment Report:

[NO/PRE/QAR18.0016/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The certificate covers a flameproof enclosure equipped with an high precision inclinometer for direct measurement of Trim and List. The inclinometer is specially calibrated and tested and is used as input to the K-Gauge Custody Transfer Measurement System to correct the measured level and to calculate liquid volume in the LNG tanks.

Flameproof enclosure Ex db certified under IECEx CES 14.0012U. Cable Glands used and mounted through wall of Ex db enclosure is certified under IECEx BAS 06.0015X.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

New updates of IEC standards to latest edition, update of QAR reference and minor correction in schedule document which do not affect safety part.