Certificate No: LR2004618TA
Issue Date: 02/07/2020
Expiry Date: 01/07/2025

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.

Manufacturer	**Honeywell Analytics Ltd**
Address	Nuffield Industrial Estate, Hatch Pond House, 4 Stinsford Road, Poole, Dorset, BH17 0RZ, United Kingdom
Place of Production	Honeywell Analytics Ltd Nuffield Industrial Estate, Hatch Pond House, 4 Stinsford Road, Poole, Dorset, BH17 0RZ, United Kingdom
Type	Gas Leak Detector
Description	Ultrasonic gas leak detector
Trade Name	SearchZone Sonik
Application	Marine and Offshore Applications for use in environmental category ENV5 as defined in LR Test Specification No 1 March 2019
Ratings	Frequency Range- 18 kHz to 70 kHz Power Supply - 24Vdc nominal (18 Vdc to 32 Vdc); 167mA at 24 Vdc (3 W), Maximum Power Consumption- 4W for ambient operating temperature -30° C and above, 15 W for ambient operating temperature below -30°C (heater is active) Ingress Protection (IP) Rating- IP 66 / 67 (Type 4X), according to NEMA

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Matt Higgins

Electrical Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Additional Tests

Safety Approvals:
ATEX
II 2 GD
Ex db ia IIC T4 Gb
Ex tb IIIC T100°C Db
Ex db eb ia IIC T4 Gb
Tamb -55 to +75°C (-67 to 167 °F)
USL, CNL
Class I, Div 1, B, C & D
Class II, Div1, E, F & G
Class III
Tamb -55 to +75°C
USL
Class I, Zone 1, AEx dbia IIC Gb
Class I, Zone 1, AEx dbeb ia IIC Gb
Zone 21 AEx tb IIIC Db.
CNL - Ex db ia IIC Gb;
Ex db eb ia IIC Gb; and
Ex tb IIIC Db.
IECEx
Ex db ia IIC T4 Gb
Ex tb IIIC T100°C Db
Ex db eb ia IIC T4 Gb
Tamb-55 to +75°C (-67 to 167 °F)

Other Conditions

Flamepaths are not to be repaired.
The equipment shall be connected to circuits providing Overvoltage Category II or better according to IEC 60664-1.
To minimize the risk of electrostatic charge, provisions shall be made for an adequate grounding of the equipment, including accessories (e.g. sunshade).Equipment shall be installed in a manner so that accidental

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discharge shall not occur.

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 Design Appraisal Document No. LR2004618TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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