

IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEX ITS 16.0033 Issue No: 0 Certificate history:
Issue No. 0 (2016-06-20)

Status: **Current** Page 1 of 3

Date of Issue: **2016-06-20**

Applicant: **Ocean Signal Ltd**
Unit 4
Ocivan Way
Margate
CT9 4NN
United Kingdom

Equipment: **M100X**
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: IECEX ITS 16.0033
Ex ic IIB T4 Gc
-20°C ≤ Tamb ≤ +55°C

Approved for issue on behalf of the IECEX
Certification Body:

V K Varma

Position:

Certification Officer

Signature:
(for printed version)

Date:

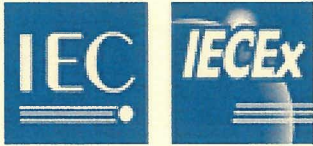
Vijay K. Varma
2016-06-20

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 the Official IECEX Website.

Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road,
Leatherhead,
Surrey, KT22 7SB
United Kingdom





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Manufacturer: **Ocean Signal Ltd**
Unit 4
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Margate
CT9 4NN
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Additional Manufacturing
location(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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

TEST & ASSESSMENT REPORTS:

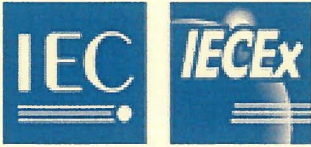
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/ITS/ExTR16.0024/00

Quality Assessment Report:

GB/ITS/QAR16.0006/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Ocean Signal M100X is an intrinsically safe emergency location beacon designed to be affixed to an individual's lifejacket where when activated will lock onto its GPS location and transmit this signal through two transmitters to nearby search and rescue vessels.

The Ocean Signal M100X can also be rebranded under 'Viking Life-Saving Equipment', with the Model No. 1063354.

The two transmitters in the M100X are:

A n AIS (Automatic Identification System) transmitter which operates on two frequencies, 161.975MHz & 162.025MHz. Each message transmission contains the GPS position.

A homing signal which transmits on 121.5MHz. This is amplitude modulated with a swept audio tone and operates continuously.

The equipment consists of a plastic enclosure housing the battery pack and PCBs, the enclosure provides the degree of protection minimum IP67. The equipment is attached to the lifejacket using one of the supplied fixtures.

Visual indication for the user that the equipment is active is provided by a tri colour LED on the front of the unit.

CONDITIONS OF CERTIFICATION: NO