



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 ITS 24.0026X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-10-04

Applicant: **PSM Instrumentation Limited**
Unit 3 Burrell Road
Haywards Heath
West Sussex
RH16 1TW
United Kingdom

Equipment: **Bilge flood detection switch BLS 9200**

Optional accessory:

Type of Protection: **Intrinsic safety 'ia'**

Marking: **IECEX ITS 24.0026X**
Ex ia IIC T5 Ga
-10°C ≤ Ta ≤ +90°C

Approved for issue on behalf of the IECEx
Certification Body:

Mark Newman

Position:

Certificate Officer

Signature:
(for printed version)

Date:
(for printed version)

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:

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

intertek



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Manufacturer: **PSM Instrumentation Limited**
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Manufacturing locations: **PSM Instrumentation Limited**
Unit 3 Burrell Road
Haywards Heath
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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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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 Report:

[GB/ITS/ExTR24.0024/00](#)

Quality Assessment Report:

[GB/ITS/QAR15.0016/05](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Bilge Switch Model BLS 9200 is designed to be installed in ships bilges and tanks, industrial sumps and tanks where it would be bolted in situ at the required alarm level. This switch is corrosion resistant stainless steel fully submersible construction with a hermetically sealed SPDT reed switch potted in epoxy. This switch is also designed with a manual lift test mechanism to be used to check switch operation. The BLS 9200 is manufactured with the requested cable length permanently bonded to the body. The maximum cable length is 20 meters.

The maximum input parameters are as follows:

$U_i = 28V$ d.c.

$I_i = 150mA$

$P_i = 0.8W$

$C_i = 2.5nF$ (for 20m cable)

$L_i = 7.32\mu H$ (for 20m cable)

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The enclosure of the equipment can be susceptible to electrostatic charging. Avoid electrostatic discharge by cleaning the equipment with a damp cloth only. Refer to manufacturer instructions for further guidance.

Annex:

[IECEX ITS 24.0026X - Annex for IECEx Certificate.pdf](#)



Annex to IECEx Certificate of Conformity

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Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
BLS9200-IS Bilge/ Flood Detection Switch Installation Operation & Maintenance Instruction Manual Specific to Intrinsically Safe Installations under ATEX, IECEx, & UKCA	MAN 104 (15 pages)	A	July 2024
Bilge Switch GA	P92000-9200-GA	A	30/06/2006
Bilge Switch Bracket	P92001-9200-DT	F	28/03/2019
Bilge Switch End Palte	P92002-9200-DT	C	28/03/2019
Bilge Switch Cable Termination Boss	P92003-9200-DT	A	12/02/2008
Bilge Switch Manual Lift Pull	P92006-9200-DT	C	29/09/2008
Bilge Switch Slosh Tube	P92010-9200-DT	A	28/03/2019
BLS9200 ATEX, IECEx & UKCA Labels	P92030-9200-DT	B	11/07/2024

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7SA, UK

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2018)