

# EU TYPE-EXAMINATION CERTIFICATE

1. EU type-examination Certificate (Module B)
2. Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)
3. EU type examination certificate Nr **ITS-I24ATEX41234X R.0**
4. **Product:** Bilge flood detection switch BLS 9200
5. **Manufacturer:** PSM Instrumentation Ltd. **Applicant:** PSM Instrumentation Ltd.
6. **Address:** Unit 3, Burrell Road, Haywards Heath, West Sussex, RH16 1TW, United Kingdom **Address:** Unit 3, Burrell Road, Haywards Heath, West Sussex, RH16 1TW, United Kingdom
7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.
8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.  
The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 105585850LHD-001 dated 24<sup>th</sup> September 2024.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018 and EN 60079-11:2012 except in respect of those requirements referred to at item 16 of the Schedule.
10. If the sign X is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
12. The marking of the product shall include the following:



II 1G Ex ia IIC T5 Ga  
-10°C ≤ Ta ≤ +90°C

**Certificate issue date**

4<sup>th</sup> October 2024

**Mark Newman**

Certification Officer  
Intertek Italia S.p.A. (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

**Intertek Italia S.p.A.** Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy



## SCHEDULE

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### 13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

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)

CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

### 14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	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

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.

### 15. SPECIFIC CONDITIONS OF USE:

- 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.

### 16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant Essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 105585850LHD-001 dated 24<sup>th</sup> September 2024.



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**17. ROUTINE (FACTORY) TESTS**

None.