



Marine & Offshore

Certificate number: 21466/D0 BV

File number: AP 3974

Product code: 3840H

This certificate is not valid when presented without the full attached schedule
composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to
PSM INSTRUMENTATION LTD
Haywards Heath - UNITED KINGDOM

for the type of product
LEVEL SWITCH
Bilge Level Switch
Type: BLS 9200

Requirements:

BUREAU VERITAS Rules for the Classification of Steel Ships.

EC Code : 31S

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 28 Feb 2030**For Bureau Veritas Marine & Offshore,**

At BV LONDON, on 28 Feb 2025,

Spencer Yule

**This certificate was created electronically and is valid without
signature**



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

The Bilge Switch Model **BLS 9200** is designed to be installed in ships bilges and tanks. This last is also designed with a manual lift mechanism to be used to check switch operation.

1.1 - Characteristics:

Relay Output:	SPDT Type (500 Vdc / 250 Vac, 100 VA)
Float SG:	0.62
Operating Temperature:	-25 °C to +70°C
Material:	Stainless Steel
Ingress Protection Index:	IP 68

2. DOCUMENTS AND DRAWINGS :

PSM:

- Document: Ref Man 45, Issue B.
- BLS 9200 Bilge level switch Ref Man 40R, dated Oct 2024.

3. TEST REPORTS :

Issued by **Mariner Systems:**

Climatic and Mechanical tests on BLS 9200, Test Report No. TL1209M dated 14th August 2008.

Issued by **MS Testing:**

Shock Test, Test Report No. TL23094, dated 7th Jul 2023.

Issued by **PSM:**

IP68 Test Certificate No.AP01601, dated 21th Jul 2008.

Issued by **LR:**

Certificate No. SOU 0800311/1 dated 22th August 2008 (IP test according to BS EN 60529)

4. APPLICATION / LIMITATION :

4.1 - BUREAU VERITAS Rules for the Classification of Steel Ships.

4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**

4.3 - BUREAU VERITAS Environmental Category, **EC Code: 31S.**

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The BLS 9200 are to be supplied by **PSM INSTRUMENTATION LTD.** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **PSM INSTRUMENTATION LTD** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **PSM INSTRUMENTATION LTD** has declared to Bureau Veritas the following production site(s):

**PSM Instrumentation Ltd
Burrell Road
Haywards Heath
West Sussex
UNITED KINGDOM**

6. MARKING OF PRODUCT :

- Trade name,
- Date of manufacture and serial number,
- Equipment type number or model identification under which it was type-tested.

7. OTHERS :

7.1 - It is **PSM INSTRUMENTATION LTD's** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This Certificate supersedes the Type Approval Certificate n° 21466/C0 BV issued by the Society.

*** END OF CERTIFICATE ***