



Marine & Offshore  
Division

Certificate number: 04519/F0 BV

File number: ACM 141/0108/001

Product code: 3741H

*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*

**A.J.D. INSTRUMENTS**

Lindfield (West Sussex) - UNITED KINGDOM

*for the type of product*

**LEVEL TRANSMITTERS**

Type: I.M., E.S., S.M. and I.S.

**Requirements:**

BUREAU VERITAS Rules for the Classification of Steel Ships.

*This certificate is issued to attest that BUREAU VERITAS 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: 06 Apr 2021**

**For BUREAU VERITAS,**

At BV LONDON, on 06 Apr 2016,

Spencer Yule



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. 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 Division 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 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.

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

Product model or type designation:

- Type: **I.M., E.S., S.M. and I.S.**

Product description:

-Level Sensors with stainless steel diaphragm

### 2. DOCUMENTS AND DRAWINGS:

According to:

Technical documents titled: "E.S sensors", "S.M sensors" issued by A.J.D. Instruments

Drawings N° A 10090-100, A 10090-101 and A 10090-102

Drawing A10090, issued by A.J.D. Instruments on 1991.

Drawings of E.S., I.M., I.S. and S.M. sensors.

### 3. TEST REPORTS:

According to documents filed in ACM 141/0108/001.

### 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 - The fitting aboard to be the same as used for the test.

4.4 - The sensors may be used on the following tanks: Fresh water, Ballast water, Fuel oil, Lub. oil, Hydraulic oil

4.5 - An emergency sounding device will be provided on tanks equipped with sensors.

4.6 - Pipe penetrations through tank top bulkhead and another bulkhead are to be built in accordance with Manufacturer's drawings N° A 10090-101 and A 10090-102.

### 5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be supplied by **A.J.D. INSTRUMENTS** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320.

5.3 - **A.J.D. INSTRUMENTS** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products :

**A.J.D. INSTRUMENTS**  
**Unit 9, Lindfield Enterprise Park,**  
**Lewes RD., Lindfield, W. SUSSEX RH16 2LH,**  
**Lindfield (West Sussex)**  
**UNITED KINGDOM**

### 6. MARKING OF PRODUCT:

- Maker's name or trade mark,

- Serial number of the units,

- Equipment type number or model identification under which it was type-tested.

### 7. OTHERS:

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the above mentioned equipment in Clause I at any time, and that **A.J.D. INSTRUMENTS - United Kingdom** will accept the responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the Equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate No. 04519/E0 BV issued on 24 Mar 2011 by the Society.

\*\*\* END OF CERTIFICATE \*\*\*