Marine & Offshore Division

**Certificate number:** 06205/E0 BV
**File number:** AP 2782
**Product code:** 3891H

*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*

## BAUMER BOURDON-HAENNI S.A.S

VENDOME CEDEX - FRANCE

*for the type of product*

## PRESSURE TRANSMITTERS / TRANSDUCERS

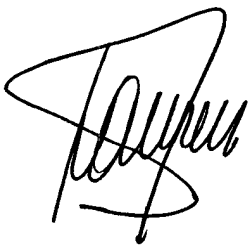
PRESSURE TRANSMITTER
Types: Y 713, E & Y 900 series.

**Requirements:**
BUREAU VERITAS Rules for the Classification of Steel Ships and Naval 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: 04 May 2021**

**For BUREAU VERITAS,**
At BV NANTES, on 04 May 2016,
Joel Gaurin






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:

Pressure Transmitter types: Y 713, E & Y 900 Series.

**Standard specifications (20°C):**

| | |
|---|---|
| **Range:** | 0...25 mbar & 0...600 bar |
| **Output signal:** | 1-5Vdc, 0-10Vdc, 0-20 mA, 4-20 mA |
| **Accuracy:** | 3% FS |
| **Operating temperature:** | -25°C / +85°C |
| **Intrinsically safety:** | Ex ia IIC T6 (Ta Max. +40°C) or T5 (Ta Max. +70°C) only valid for pressure transmitter Y9... |
| **Protection category:** | Sensor: IP 65 |
| **Main supply:** | 8 to 40 Vdc |

## 2. DOCUMENTS AND DRAWINGS:

Drawings: N° 70408-01a and N° 3040454 F dated 02/95.
Pamphlet: 01/00-N° 304021.
Drawings N°s: 71012-01/02/03.

## 3. TEST REPORTS:

3.1 - LCIE Certificate N° 95D6008X.
3.2 - Test report LCIE N° 413.736.
3.3 - Test reports N° 95061C and N° 95061.1 from AEMC mesures.
3.4 - Test report N° R99190-1/2 issued by HAZTEC on 15/12/99.
3.5 - Certificate of conformity for electrical equipment or system for explosive atmosphere issued for pressure transmitter type Y9... on 25/09/2002 by LCIE under ref. LCIE 02 ATEX 6133X.
3.6 - Certificate of conformity for electrical equipment or system for explosive atmosphere issued for pressure transmitter type Y9... on 29/10/2007 by LCIE under ref. LCIE 02 ATEX 6133X / 02.

## 4. APPLICATION / LIMITATION:

4.1 - BUREAU VERITAS Rules for the Classification of Steel Ships and Naval Ships.
4.2 - Approval also valid for ships to be granted with the notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
4.3 - The electrical safety type equipment mentioned in items 2 and 3 above may be used in areas considered as dangerous due to presence of flammable or explosive gases or vapours corresponding to the groups IIC and to the temperature class T6 or T5 as defined in IEC Classification.

## 5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be manufactured, examined and tested by **BAUMER BOURDON-HAENNI** 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 - **BAUMER BOURDON-HAENNI** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

**BAUMER BOURDON-HAENNI**
**125 RUE DE LA MARRE**
**BP 214**
**41103 VENDOME CEDEX**
**FRANCE**

5.4 - Each equipment is to be supplied with manual(s) for installation, use and maintenance.

## 6. MARKING OF PRODUCT:

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

**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 units at any time and that **BAUMER BOURDON-HAENNI, Vendôme - FRANCE,** will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - It is **BAUMER BOURDON-HAENNI**'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.

7.3 - This certificate supersedes the Type Approval Certificate **N° 06205/D0 BV** issued on 06 Mars 2011 by the Society.

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