



Marine & Offshore

Certificate number: 54129/B0 BV

File number: AP4884

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

BD SENSORS GmbH

Thierstein - GERMANY

for the type of product

PRESSURE TRANSMITTERS / TRANSDUCERS

DMK 456, DMK 457, DMK 458, DMP 457,
17.457 G, 18.457 G, 26.457 G, 30.457 G

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 43

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: 21 May 2030

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 21 May 2025,

Dirk Hoepfner

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.

The electronic version is available at: <https://www.veristarpn.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=pw7iwhj9dn>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

DMK 456, DMK 457, DMK 458, DMP 457, 17.457 G, 18.457 G, 26.457 G and 30.457 G are pressure transmitters.

1.1 - Main Characteristics:

Type	Nominal Pressure Range
DMK 456	0.04 ... 20 bar
DMK 457	0.4 ... 600 bar
DMP 457	0.1 ... 600 bar
DMK 458	0.04 ... 20 bar
17.457 G	0 ... 600 bar
18.457 G	0 ... 6 bar
26.457 G	0 ... 400 bar
30.457 G	0 ... 250 bar

1.2 - Specifications:

Power Supply: 24 VDC
 Output Signal: 4 ... 20 mA
 Degree of protection: IP65 (plug)
 IP67 (cable gland)
 IP68 (sealed cable outlet)

2. DOCUMENTS AND DRAWINGS :

- 17.457G_D_200416, 18.457G_200416, 26.457G_D_200416 and 30.457G_D_200416 dated 01.03.2016
- DMK456_E_080118 dated 11.02.2015; DMK457_E_080118 dated 04.03.2015
- DMK458_E_080118 dated 19.09.017; DMP457_E_080118 dated 20.07.2015
- DB_DSK 511_E dated 05.10.2017; DB_DSK 611_E dated 05.10.2017
- DB_DSP410K_E dated 13.06.2018; DB_DSP411K_E dated 13.06.2018; ST.740.005 dated 5.3.2009
- DB_DSP412K_E dated 13.06.2018; EL.870.004 dated 27.01.2009; EL.870.002 dated 12.03.2008
- EV.180.004 dated 30.10.2008; EV.180.002 dated 24.07.2008; EV.260.004 dated 30.03.2009
- EV.260.002 dated 23.3.2009; EL.631.068 dated 26.08.2010; EV.280.004 dated 11.08.2009
- EV.280.002 dated 28.06.2009; ST.680.002 dated 05.11.2007; ST.680.004 date 05.11.2007
- ST.680.005 dated 05.11.2007; ST.740.004 dated 5.3.2009, ST.740.002 dated 6.2.2009
- IBExU05ATEX1068, IBExU07ATEX1180

3. TEST REPORTS :

- TÜV NORD CERT GmbH: 10/1068-3 dated Aug 26,10; 10/1068-4 dated Dec 15,10; 10/9036-9-1 dated March 31,2010
- EMV Services GmbH & Co. KG: 09/8152-1-1 dated Jan 12,09; 09/9036-2-1 dated Nov 02,09; 03/3210-3 dated Nov 20,03; 09/9036-4 dated Nov 30,09
- Paconsult GmbH: 07-1481 dated March 21st, 2007
- BFSV: UB 6873/09 dated 16th April 2010
- Car Synergies GmbH: P05-0030 dated 02.03.2005
- SLG Prüf- und Zertifizierungs GmbH: 1158-10-GG-10-PP001 dated 28.04.2010

For B0 version:
 - Meß Technik Nord: 073011.173.21 V1.0 dated 10.09.2021

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: 43**
 4.4 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev 9.
 4.5 - Ex-certification is not covered by this certificate. Applications in hazardous areas are to be approved in each case according to the Rules and Conditions for Safe Use specified in a valid Ex-Certificate issued by a Notified Body.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The above mentioned pressure transmitters are to be supplied by **BD SENSORS GmbH** 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 and as such does not require a BV product certificate.

5.3 - **BD SENSORS GmbH** 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, **BD SENSORS GmbH** has declared to Bureau Veritas the following production sites:

BD SENSORS GmbH
BD-Sensor-Straße 1
95199 Thierstein
Germany

BD SENSORS s.r.o
Hradistska 817
CZ-687 08 Buchlovice
Czech Republic

6. MARKING OF PRODUCT :

- Maker's name or trademark
- Equipment type or model identification
- Date of manufacturing and/or serial number
- Ex marking, as relevant

7. OTHERS :

7.1 - It is the responsibility of **BD SENSORS GmbH** 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° 54129/A0 BV issued on 10 Dec 2019 by the Society.

*** END OF CERTIFICATE ***