

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Pressure Transmitter**with type designation(s)
Advanced Transmitter SuperAce

Issued to

Azbil Corporation
Fujisawa, Kanagawa, Japanis found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Location classes:**

Temperature	D
Humidity	B
Vibration	A
EMC	B
Enclosure	C (IP66/IP67)

Issued at **Høvik** on **2018-12-14**This Certificate is valid until **2020-12-31**.DNV GL local station: **Yokohama**for **DNV GL**Approval Engineer: **Ståle Sneen**

Jan Tore Grimsrud
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-017121-2**
Certificate No: **TAA000023Y**

Product description

Microprocessor-based Pressure Transmitter SuperAce	
Type:	Differential Pressure Transmitter
Model:	JTD910S, JTD920S, JTD921S, JTD923S, JTD924S, JTD930S, JTD931S, JTD960S, JTD961S
Type:	Gauge Pressure Transmitter
Model:	JTG940S, JTG960S, JTG980S
Type:	Absolute Pressure Transmitter
Model:	JTA922S, JTA940S
Type:	Flange type of Differential Pressure Transmitter
Model:	JTC929S, JTC940S
Type:	Remote seal of Differential Pressure Transmitter
Model:	JTE924S, JTE929S, JTE930S, JTE931S, JTE950S, JTE951S
Type:	Remote seal of Gauge Pressure Transmitter
Model:	JTH920S, JTH940S, JTH960S, JTH980S
Type:	Remote seal of Absolute Pressure Transmitter
Model:	JTS922S, JTS940S, JTW922S, JTW940S

Power supply: 24VDC
Output: 4-20 mA DC

Place of manufacture

Azbil Corporation
Shonan factory,
4-1-1 Omagari, Koza-gun, Samukawa-machi 253-0113, Japan

Approval conditions

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV GL, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV GL rules for classification of ships Pt.4 Ch.9 Control and monitoring systems.

Application/Limitation

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rules and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

Type Approval documentation

Tests carried out

Applicable tests according to class guideline DNVGL-CG-0339, November 2016.

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Marking of product

Azbil Corporation, Model No., RANGE, MAX. W.P., SUPPLY, OUTPUT

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE