



CERTIFICATE NUMBER

DATE

14-LD1189874-PDA

20 August 2014

ABS TECHNICAL OFFICE

London Ship Engineering

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of
PSM INSTRUMENTATION LTD. - HAYWARDS HEATH

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT: **Pressure Transmitter**

MODEL: **ICT1000**


This Product Design Assessment (PDA) Certificate 14-LD1189874-PDA, dated 20/Aug/2014 remains valid until 19/Aug/2019 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING


Barry H Moss

Engineer

AB258(01/10)

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned manufacturing process without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rule 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This application/certificate is governed by the "Terms and Conditions of the Request for Product Type Approval and Agreement" as contained in the ABS Rules.

AB258(0713)

PSM INSTRUMENTATION LTD.

UNIT 3, BURRELL ROAD
HAYWARDS HEATH
HAYWARDS HEATH
RH16 ITW
United Kingdom
Telephone: 44-14444-10040
Fax: 44-14444-10121
Email: james.spenceley@psmmarine.com



MA Certificate No. 11-SO2036152-X1 **Tier:** 3

Product: Pressure Transmitter

Model: ICT1000

Intended Service:

ABS Classed Vessels and Offshore Facilities in accordance with the listed ABS Rules.

Description:

Pressure measuring device for marine and offshore applications.

Ratings:

- IP 68.
- Power supply digital mode: 8 - 30Vdc.
- Power supply analogue mode: 12 - 30 Vdc.
- Operating temperature: -20 to +80 C degrees.
- Analogue output: 4 - 20 mA.

Service Restrictions:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. If installed on U.S.flagged vessels, ATEX Directive certified equipment should be either replaced or proven to have been tested to the IEC 60079 series standards by an independent laboratory accepted by the U.S. Coast Guard.

Notes / Drawings / Documentation:

Tests performed by Mariner Systems (TL1203)

Term of Validity:

This Product Design Assessment (PDA) Certificate 14-LD1189874-PDA, dated 20/Aug/2014 remains valid until 19/Aug/2019 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

STANDARDS

ABS Rules:

The Rules applicable to this assessment are:

- Steel Vessel Rules (2014) 1-1-4/7.7, 1-1-A 3 and 4.
- Steel Vessels Under 90 Meters (295 Feet) in Length (2014) 1-14/7.7, 1-1-A 3 and 4
- Facilities on Offshore Installations (2014) 1-1-4/9.7, 1-1-A 2 and 3

PSM INSTRUMENTATION LTD.

UNIT 3, BURRELL ROAD
HAYWARDS HEATH
HAYWARDS HEATH
RH16 ITW
United Kingdom
Telephone: 44-14444-10040
Fax: 44-14444-10121
Email: james.spenceley@psmmarine.com



MA Certificate No. 11-SO2036152-X1 **Tier: 3**

- Offshore Support Vessels (2014) 1-1-4/7.7, 1-1-A 3 and 4
- Mobile Offshore Drilling Units Rules (2014) 1-1-4/9.7, 1-1-A 2 and 3
- Aluminum Vessels (1975) 1-1-4/7.7, 1-1-A 3 and 4
- Steel Vessels for Service on Rivers and Intracoastal Waterways (2014) 1-1-4/7.7, 1-1-A 3 and 4.

National:

EN 60079-0:2006; EN 60079-11:2007 & EN 60079-26:2007

International:

IACS E10

Government Authority:

NA

EUMED:

NA

Others:

NA