

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**That the Test and Calibration Equipment**

with type designation(s)  
**Temperature calibrator OTE-T700,  
Pressure calibrators OTE-P202 and OTE-P300**

Issued to  
**Autronica Fire and Security AS  
Nøtterøy, Norway**

is found to comply with  
**DNV GL rules for classification – Ships, offshore units, and high speed and light craft**

**Application :**

**The instruments are only approved as portable test instruments.**

Issued at **Høvik** on **2017-09-14**

for **DNV GL**

This Certificate is valid until **2022-12-31**.

DNV GL local station: **Sandefjord**

Approval Engineer: **Ståle Sneen**

**Odd Magne Nesvåg  
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.



## Product description

Calibrators type:

Temperature	OTE-T700	to 700°C
Pressure	OTE-P202	to 200 bar
Pressure	OTE-P300	to 300 bar

## Application/Limitation

The instruments are only approved as portable test instruments.

Products listed under product description are accepted used onboard any vessel classed by DNV GL.

## Type Approval documentation

System description for OTE-T700, OTE-P202 and OTE-P300.

Type approval periodical assessment report for A-13524, DNV GL Sandefjord 2017-09-14.

## Tests carried out

Temperature calibrator OTE-T700 tested at 700°C for 24 hours, and at 35°C, 360°C, 760°C against reference instrument with deviations within specifications in user's manual.

Pressure calibrator OTE-P202 tested at 0-100-200-300 bar against reference instrument with deviations within specifications in user's manual.

Above tests witnessed by DNV GL Sandefjord 1997-04-22.

Pressure calibrator OTE-P300 tested up to 450 bar against reference instrument with deviations within specifications in user's manual.

Above test witnessed by DNV GL Sandefjord 2005-09-23.

## Marking of product

The products to be marked with:

- manufacturer name
- model name
- serial number
- power supply ratings

## 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

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE