

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**That the Test and Calibration Equipment**

with type designation(s)  
**SHERLOG TA ultrasonic leak detector**

Issued to  
**SDT International**  
**Brussel, Belgium**

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

**Application :**

**The instrument is only approved as portable test instrument.**

This Certificate is valid until **2022-01-26**.

Issued at **Høvik** on **2017-01-27**

DNV GL local station: **Antwerp**

Approval Engineer: **Ståle Sneen**

for **DNV GL**

**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.

Job Id: **262.1-004302-2**  
Certificate No: **TAA00000Y0**

## Product description

SHERLOG portable ultrasonic leakage detector for tightness testing of hatch covers and ro-ro equipment for ships and offshore units in accordance with IACS UR Z17 rev. 12.

Comprising:

- An electronic wave generator producing a uniformly distributed omni-directional ultrasound field.
- A microprocessor based handheld ultrasonic detection unit connected to special adapter probes, allowing tightness measurements in dB $\mu$ V values, memorising of data, and in a specific routine for hatch cover tightness testing; logging and downloading to a PC for appropriate reporting.

## Application/Limitation

The Type Approval covers hardware listed under Product description. This product is no longer manufactured. The Type Approval covers products manufactured until end of June 2011.

The instrument to be used in accordance with:

- DNV Certification Notes 2.9/ Approval Programme 403, and after completion of:
- "The SDT-IMCS New Generic Training Program for Service Suppliers Engaged in Onboard Ultrasonic Tightness Testing", dated: September 2002, or similar relevant Training Program

The equipment shall possess a valid Calibration Certificate.

## Type Approval documentation

Ring binder, containing full description of the instrument and components as:

- Brochures
- Third party approval documentation
- Test reports: ANPI/NVBB ELC/EMC/227, 230, 233 and 244
- Certificate of calibration
- Parts lists/drawings

DNV Statement "Tightness Test of Hatches with Ultrasonic Equipment" dated 94-11-21

The SDT-IMCS New Generic Training Program for Service Suppliers Engaged in Onboard Ultrasonic Tightness Testing.

DNV Antwerp Certificate retention survey report for A-8647 dated 2007-10-15.

## Tests carried out

Drop test, ref. report NV ANT 02-203 dated 02-09-25

Tests carried out for other third party societies (Humidity/ high temp. test, EMC test, Cold test (-15 Deg.C), IP test).

## Periodical assessment

No periodical assessments are required as the product is no longer manufactured.

END OF CERTIFICATE