

TYPE APPROVAL CERTIFICATE**This is to certify:****That the Test and Calibration Equipment**

with type designation(s)
Ultraprobe 2000/9000/15000 ultrasonic leak detectors

Issued to

UE Systems, Inc
Elmsford, NY, USA

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.

Intrinsic safety:

UP2000 FM report 1R6A7.AX dated 1998-03-16: Cl. I Div.1 Gr. A, B, C, D
UP2000 CSA master contract 186068 dated 2011-07-07: Cl. I Div.1 Gr. A, B, C, D

Location classes:

Temperature A
Humidity B (UP2000/UP15000)
Vibration -
EMC -
Enclosure -

Issued at **Høvik** on **2019-05-21**

for **DNV GL**

This Certificate is valid until **2024-05-20**.

DNV GL local station: **New York**

Approval Engineer: **Ståle Sneen**

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Trond Sjøvåg
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: **262.1-002143-5**
Certificate No: **TAA0000232**

Product description

Ultraprobe 2000/9000/15000 portable ultrasonic leakage detector, consisting of:

- Pistol housing
- Tone generator
- Headset
- Scanning module
- Contact module
- Rubber focusing probe

The recharger is not part of the type approval.

Approval conditions

The Type Approval covers hardware listed under Product description.

The instruments are only approved as portable test instruments.

UP2000 Intrinsic safety:

- FM report 1R6A7.AX dated 1998-03-16: Cl. I Div.1 Gr. A, B, C, D
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When used for hatches tightness testing, the instrument to be used in accordance with:

- DNV Standard for Certification No. 2.9 / Approval of Service Suppliers No. 403, and after completion of:
 - Relevant Training Program

The equipment shall possess a valid Calibration Certificate.

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

UP2000:

Field Service Manual

Ultraprobe® 2000 Instruction Manual Rev. 0 92216

Pamphlet UE 2 - 0507

Test report R-7674 dated 1998-08-12 by Retlif Testing Laboratories

UP9000:

Instruction Manual UP9M899

Pamphlet UE 9 - 0507

Test report R-9894 dated 2003-04-29 by Retlif Testing Laboratories

UP15000:

Instruction Manual UP15M1010 Rev. 1.7

Pamphlet UE 15 - 0610

FCC/IC Verification Test Report on Ultraprobe 15000 Touch, R-14233-2 dated 2012-08-27

EMC Test Report on Ultraprobe 15000 Touch, R-14233-1 dated 2012-08-28

Environmental Test Report on Ultra Probe 15000, R-16865 dated 2019-02-07

Type approval periodical assessment report for A-14243, DNV GL New York 2018-08-08

Job Id: **262.1-002143-5**
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Tests carried out

All: Temperature test class A

Ultraprobe 2000: Damp heat test

Ultraprobe 9000: Free fall from 1.5 m, six directions

Ultraprobe 15000: Free fall from 1 m, six directions. Damp heat test. Radiated EMC emission and immunity tests, and electrostatic discharge test, relevant for CE-marking.

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