

TYPE APPROVAL CERTIFICATE**This is to certify:****That the Test and Calibration Equipment**with type designation(s)
Ultraprobe 2000/9000 ultrasonic leak detectors

Issued to

UE Systems, Inc
ELMSFORD, NY, United States

is found to comply with

Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards**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)
Vibration	-
EMC	-
Enclosure	-

This Certificate is valid until **2018-12-31**.Issued at **Høvik** on **2015-03-24**DNV GL local station: **New York**Approval Engineer: **Ståle Sneen**for **DNV GL**Digitally Signed By: **Nesvåg, Odd Magne**Location: **DNV GL Høvik, Norway**Signing Date: **2015-03-27****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.

Certificate No: **A-14243**
File No: **890.90**
Job Id: **262.1-002143-4**

Product description

Ultraprobe 2000/9000 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 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
- CSA master contract 186068 dated 2011-07-07: Cl. I Div.1 Gr. A, B, C, D

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, 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 Rules for Ships Pt.4 Ch.9 Control and Monitoring Systems.

When used for hatches tightness testing, the instrument to be used in accordance with:

- DNV Standard for Certification No. 2.9 / Approval Programme 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

Pamphlet UE 2 - 0506

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

UP9000:

Instruction Manual UP9M899

Pamphlet UE 9 - 0506

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

Type approval periodical assessment report for A-12372, DNV GL New York 2015-03-19

Tests carried out

Both: Temperature test class A

Ultraprobe 2000: Damp heat test

Ultraprobe 9000: Free fall from 1.5m, six directions