



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. A-10163
This Certificate consists of 3 pages

This is to certify that the
Test and Calibration Equipment

with type designations
Ultraprobe 2000/9000 ultrasonic leak detector
as listed on page 2


Manufactured by
UE Systems Inc
Elmsford, New York 10523, 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: FM report 1R6A7.AX dated 98-03-16. Cl. I Div.1 Gr. A, B, C, D

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

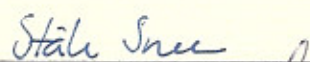
Place and date
Høvik, 2006-11-01
for DET NORSKE VERITAS AS


Knut Svein Ording
Head of Section



Local Office
DNV New York

This Certificate is valid until
2010-12-31


Ståle Sneen
Surveyor

Notice: 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.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



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 98-03-16. 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.



Cert. No.: A-10163
File No.: 890.90

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

Tests carried out

Both: Temperature test class A
Ultraprobe 2000: Damp heat test
Ultraprobe 9000: Free fall from 1.5m, six directions

Certificate retention survey

The scope of the retention/renewal survey 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 survey 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.

Survey is to be performed at renewal of this certificate.

END OF CERTIFICATE