



# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. A-9531  
This Certificate consists of 2 pages

*This is to certify that the*  
**Test and Calibration Equipment**

*with type designations*  
**Pressure calibrators PCA350M/PC705**  
**Pressure meter PM105/205/305/310L/310H**

*Manufactured by*  
**SCAN-SENSE AS**  
VEAR, Norway

*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 pressure test- and calibration instruments.

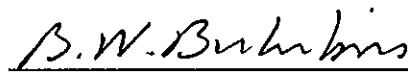
*Place and date*  
Høvik, 2005-03-09  
for DET NORSKE VERITAS AS

  
Knut-Helge Knutsen  
Head of Section



*Local Office*  
DNV Sandefjord

*This Certificate is valid until*  
2009-06-30

  
Birger W. Bulukin  
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.



Cert. No.: A-9531

File No.: 890.90

### **Product description**

Pressure Calibrator PCA 350M/PC705  
Pressure Meters PM105/205/305/310L/310H

### **Application/Limitation**

The instruments are only approved as portable pressure test- and calibration instruments.  
For use in connection with classnotation E0, calibr. to be carried out at 12 months interval.

### **Type Approval documentation**

PM305/PC705 manual ver. 01.2004 (User's Manual)  
PM205 User's Manual Rev. 01-2004 MAN205  
Strukturoversikt 5PM310LP40/LP60/HP60H/HH, all dated 20.04.04  
Dok. No : SCS-SP058,T2 rev.-, dated 03.05.04

### **Tests carried out**

Overpressure test, ref. DNV Sandefjord, for PM205 ref. email 2005-01-13.

### **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 to be performed at renewal of this certificate.

**END OF CERTIFICATE**