



DET NORSKE VERITAS

Certificate No.: DNV OSL 10 4331

## PRODUCT CERTIFICATE

THIS IS TO CERTIFY THAT:

Product description: **Bottom Penetration for Echo Sounder, Sonar or Log**

Type designation: **PCSV60-65mm** \_\_\_\_, **SB-60-SA** \_\_\_\_, **DB-60-SA** \_\_\_\_  
**ETNSJB/ETNSLB-100mm** \_\_\_\_, **SB-100-SB** X, **DB-100-SA** \_\_\_\_

Serial No: **10031** Marking: **NV OSL 10 4331**

Manufactured by: **SKIPPER Electronics AS, Enebakkveien 150, 0612 Oslo, Norway**  
(manufacturer and location)

Ordered by (customer): **SHANGHAI TECHNICAL BY-PRODUCTS CORP LTD XINSONG Rd. 201612 SHANGHAI CHINA**

Customer reference: **70584**

Intended for: **Stock**

Conforms with the following specification/standard:  
(if necessary use Appendix to certificates form no. 40.91a)

**DNV Rules for Classification of ship and mobile offshore units**

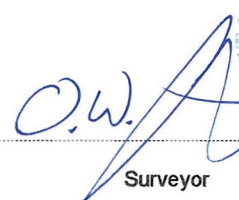
Remarks/test results:  
**OK**

☐ If marked x, see encl.

For Det Norske Veritas AS

**OSLO**  
Place

**24.02.2010**  
Date

  
Surveyor

Declaration by manufacturer (when applicable)

The undersigned manufacturer declares that the specified product has been built and tested in conformity with the specification/standard stated above and the conditions referred to in:

Type Approval Certificate No.: **S - 5483**

Quality System Certificate No.: **TI 151,NS-EN ISO 9001:2000**


Manufacturing Survey Arrangement No.: **R - 1948**

This Product Certificate is valid only when endorsed by a DNV Surveyor. The endorsement is a statement that the conditions stipulated in the Manufacturing Survey Arrangement for the product in question have been complied with.

Manufacturer: **Skipper Electronics**

**OSLO**  
Place

**24.02.2010**  
Date

**pr. SKIPPER Electronics A/S**  
  
Anders Karlstad  
Name

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.