



DET NORSKE VERITAS

Certificate No.: DNV OSL 10 4578

PRODUCT CERTIFICATE

THIS IS TO CERTIFY THAT:

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

Type designation: **PCSV60-65mm** ____, **SB-60-LA** X, **DB-60-LA** ____
ETNSJB/ETNSLB-100mm ____, **SB-100-LB** ____, **DB-100-SB** ____

Serial No: **10278** Marking: **NV OSL 10 4578**

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

Ordered by (customer): **SAM Electronics GmbH Friesenweg 4 22763 Hamburg GERMANY**

Customer reference: **74410**

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

21.12.2010
Date

Tu Helstrøm
Surveyor
OSLO

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

21.12.2010
Date

Anders Karlstad
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.