



PRODUCT CERTIFICATE

Manufacturer: **SKIPPER Electronics AS**

Manufacturer's order No.: **76905**

Purchaser: **SAM Electronics Nederland 3077 MD Rotterdam Netherlands**

Purchaser's order No.:

The product is intended for:

Yard: **( TBD )**

Yard No.:

Name of vessel: " "

DNV Id. No.: **P261.1C**

THIS IS TO CERTIFY:

that the product: **Bottom Penetration for Echo Sounder, Sonar or Log**

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

Intended purpose: **The gate valve may be used in conjunction with installation of speed log or echo sounder**

Serial No(s): **11189**

Has been built and tested in accordance with the relevant requirements of:

DNV Rules for Classification:  Ships  HSLC  Naval  Offshore

Other standards:

Remarks (if more than one line, use page 2):

The product was marked: **NV-OSL-11-4489** On: **Gate Valve**

This field is only to be filled in when the certification is based on a Manufacturing Survey Arrangement (MSA).

The undersigned manufacturer declares that the product/system has been built and tested in accordance with the specification/standard stated above and the conditions referred to in Manufacturing Survey Arrangement No: **R-1948** Quality System Certificate No: **TI 151 ISO 9001:2008**

For Manufacturer:

Place: **Oslo**

Date: **09.06.2011**

**Anders Karlstad**

This Certificate is only valid when signed by a DNV surveyor.

For Det Norske Veritas AS

Place: **Høvik**

Date: **2011-07-06**

  
**Nils Fredrik Brøch**  
Principal Surveyor

Technical data:

Remarks:

**The valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage test to 5 bar. Holding time 5 minutes.**

Marking and certificate numbers for the different parts:

Drawings with dates of approval and/or type approval certificate number:

**DNV S-6000**