

## DET NORSKE VERITAS

## PRODUCT CERTIFICATE

Manufacturer's order No.: 77264  Purchaser: SAM Electronics GmbH Friensweg 4 22763 Hamburg Germany  Purchaser's order No.: (TBD)  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  SB-60-LA_X., DB-60-SA_, SB-100-SB_, DB-100-SB_, ETNSJ.B/ETNSJ.B-100mm_ The gate valve may be used in conjunction with installation of speed log or echo sounder  Serial No(s): 11201  Has been built and tested in accordance with the relevant requirements of: DNV Rules for Classification: Shps HSLC Naval Offshore  This field is only to be filled in when the certification is based on a Manufacturing Survey Arrangement (MSA). The undersigned manufacture relediese that the productionated stated above and the conditions relevated in Manufacturing Survey Arrangement No: R-1948  Quality System Certificate No: TI 151 ISO 9001:2008  For Manufacturing Survey Arrangement No: R-1948  Quality System Certificate No: TI 151 ISO 9001:2008  For Manufacturer: Place: Oslo  Date: 16.06.2011  Nils Fredrik Broch Oslo  Pincipal Surveyor  Principal Surveyor  Principal Surveyor  Principal Surveyor  Principal Surveyor	Manufacturer:		SKIPPE	R Electronics	s AS		
Purchaser's order No.:  The product is intended for  Yard:	Manufacturer's order No.:	77264	77264				
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Type designation:    SB-60-LA_X_DB-60-SA_, SB-100-SB_, DB-100-SB_, The strong of the speed of th	THIS IS TO CERTIFY:						
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Anders Karlstad Nils Fredrik Broch OSLO	Place: Oslo			Place: <b>Høvik</b>			
OSLO	Date: <b>16,06.2011</b>			Date: <b>20</b>	11-07-06 J	A STANFORM	
Product Technican Principal Surveyor	Ander	s Karlstad	***************************************			Child	
	Produc	t Technican			Principal S	Surveyor	

## Certificate No OSL-11-4501

Fechnical data:	
Remarks: The valve housi 5 bar. Holding ti	sing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage test ime 5 minutes.
 Marking and certi	tificate numbers for the different parts:
Drawings with da	ates of approval and/or type approval certificate number:

DET NORSKE VERITAS AS, Veritasveien 1, NO-1322 Høvik, Norway, Tel.: +47 67 57 99 00, Fax: +47 67 57 99 11, Org.No. NO 945 748 931 MVA www.dnv.com Form No.: 20.92a Issue: October 2010 Page 2 of 2