



DET NORSKE VERITAS

Certificate No  
OSL-11-4325

PRODUCT CERTIFICATE

|  |   |
|--|---|
| Manufacturer:  | SKIPPER Electronics AS  |
| Manufacturer's order No.:  | 75282   |
| Purchaser:   | Aegean Electronics S.a Piraeus Greece   |
| 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__X__, DB-60-SA__, SB-100-LA__, DB-100-SB__,<br>ETNSJB/ETNSLB-100mm__   |
| Intended purpose:  | The gate valve may be used in conjunction with installation of<br>speed log or echo sounder   |
| Serial No(s):  | 11025   |
| Has been built and tested in accordance with the relevant requirements of: |   |
| DNV Rules for Classification:  | <input checked="" type="checkbox"/> Ships <input checked="" type="checkbox"/> HSLC <input type="checkbox"/> Naval <input checked="" type="checkbox"/> Offshore<br><input type="checkbox"/> Other standards: |

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

|  |   |
|--|---|
| The product was marked: NV-OSL-11-4325   | On: Gate Valve  |
| <p>This field is only to be filled in when the certification is based on a Manufacturing Survey Arrangement (MSA).</p> <p>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<br/>Manufacturing Survey Arrangement No: R-1948<br/>Quality System Certificate No: TI 151 ISO 9001:2008</p> <p>For Manufacturer:</p> <p>Place: Oslo</p> <p>Date: 17.01.2011</p> <p><b>DET SKIPPER Electronics A/S</b><br/><i>Anders Karlstad</i><br/>(name)<br/>(title)</p> | <p>This Certificate is only valid when signed by a DNV surveyor.</p> <p>For Det Norske Veritas AS</p> <p>Place:</p> <p>Date:</p> <p>(name)<br/>Surveyor</p> |

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**