

# SKIPPER DL2



Navigation Dual axis Doppler speedlog STW + SOG

CU-M001-SA Operator Unit for DL2



## The SKIPPER DL 2

### Features:

- Doppler Smart Sensor working at 277kHz
- Electronic unit with all required I/O
- IBS ready LAN communication.
- Control unit with touch screen.
- Vessels transversal movement aft. (Docking).

24VDC

LAN cable: CAT6, Max. 100m

115-230VAC / 24VDC



JB70D2-SA Electronic Unit

The DL2 present the critical parameters on a touch screen and can be interfaced with bridge systems and repeaters. The DL 2 can also present distance traveled, depth and water temperature.

Doppler technology is commonly considered the gold standard of speed measurement as it measures remotely, (away from the effects caused by the vessel itself) and once installed, it operates even with considerable organic growth on the transducer.

The DL 2 can measure the speed of the vessel through the water at all times, and over the bottom nearing 150 m of water. The sensor is mounted in a 100mm Sea Valve.

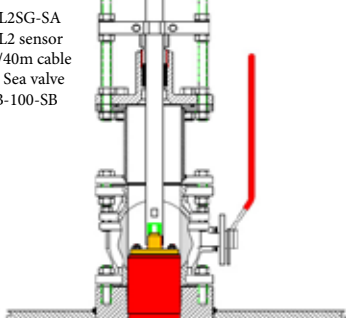
BRIDGE  
FORE PEAK

Sensor extension cable.  
Yard supply.  
3 x twisted shielded pairs  
Dimension: see DL2 manual Chapter 3.

JB12-SA  
Junction box



DL2SG-SA  
DL2 sensor  
w/40m cable  
in Sea valve  
SB-100-SB



SKIPPER Electronics manufacture marine electronics for the merchant fleet as well as the fishing fleet, based on experience, research and tradition.

Our products are known worldwide for reliability, sophistication and good value for money.

e-mail: [sales@skipper.no](mailto:sales@skipper.no)

[www.skipper.no](http://www.skipper.no)

Navigation Speed Logs and Echo Sounders

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Navigational Doppler speedlog SOG + STW



## Specifications

## Overview

	<b>DL2</b>
	<b>SOG+STW 2-axis</b>
Operating Frequency	270-284 kHz
Speed range	+45 to - 10 kn Longitudal +/- 25knot Transversal
Bottom track	<150 meters
Water track	<3m (2-12m)
Accuracy (better than)	0.2 knots or 2%
Temperature accuracy	<1 °C
<b>Control unit</b>	CU-M001-SA 9" Touch display Flush mount. 240*155mm. Ethernet
<b>Electronic unit</b>	JB70D2-SA Dimensions: 115*115*180mm
Com. with control unit	LAN, web browser
NMEA output	VBW, VLW, MTW, VHW, XDR, ALR, ALF, ALC, HBT, DPT
NMEA input	ACK, ACN, DDC, VTG, ZDA, GGA ROT, PSKPRSTT (Trip reset)
Pulse output	Yes
Analog output	Default No Optional 4-20mA and 0-10V
Alarm	Speed alarm, Power failure alarm, function alarm
Power supply	AC 115 - 230 V 50/60 Hz, and/or DC 24 V. Max 60W
<b>Sensor</b>	DL2SG-SA. 100mm
Sea Valves	Single bottom, Double bottom
IP rating	IP22 Control unit IP22 Electronic unit IPX7 Sensor unit
Accessories	IR300 Speed (with aft speed), Dimming Control, CD401MR- SB Multirepeater.
Classification	IMO

CU-M001-SA Operator Unit for DL2



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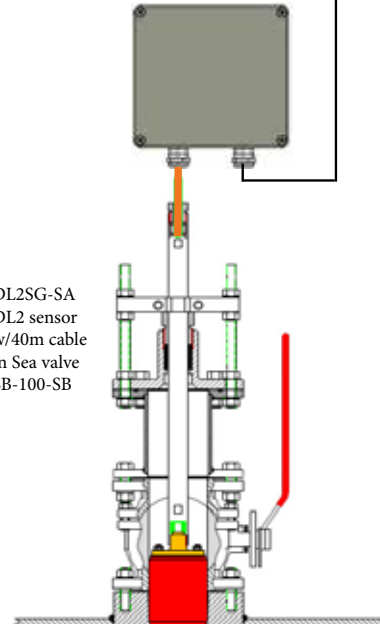
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SKIPPER Electronics AS  
Enebakkveien 150  
P. O. Box 151, Manglerud

0612 Oslo  
Norway

E-mail: sales@skipper.no  
Telephone: +47 23 30 22 70  
Telefax :+47 23 30 22 71  
Co. reg. no: NO-965378847 -MVA  
www.skipper.no

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