

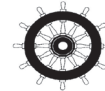


CU-M001-SB Operator Unit for DL2



## Navigational speedlog

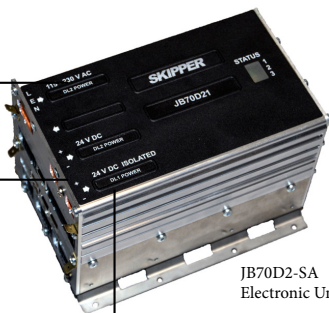
## Dual axis STW + SOG



24VDC

LAN cable: CAT6, Max. 100m

115-230VAC / 24VDC



JB70D2-SA  
Electronic Unit

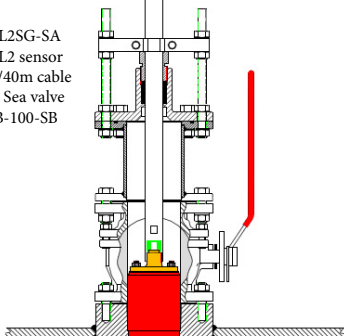
- *Doppler Sensor*
- *Electronic unit with all required I/O*
- *Control unit with touch screen.*
- *IBS ready LAN communication.*
- *Vessels transversal movement aft. (Docking).*

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



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 in depths more than 3m, and Speed over ground in depths from 2m to 150 m.

The sensor is mounted in a 100mm Sea Valve or tank.

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.

# SKIPPER DL2

Navigational Doppler speedlog SOG + STW



## Specifications

Operating Frequency	277 kHz SOG 850-920kHz STW primary STW 264 kHz STW secondary STW
Speed range	+/- 50 kn Longitudal and transversal
Bottom track	Avilable from 2m to 150 m depth
Water track	0,5m-3m. Minimum depth 3m.
Accuracy (better than)	0.2 knots or 2%
Temperature accuracy	<1 °C

Control display unit	CU-M001-SB 9" Touch display Flush mount. 240*155mm. Ethernet IP20 Optional IP22 version CU-M001-IP22-SB
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Electronic unit	JB70D2-SA Dimensions: 115*115*180mm IP20 Optional IP22 version JB70D2-IP22-SA
Com. with control unit	LAN
NMEA output	VBW, VLW, MTW, VHW, XDR, ALR, ALF, ALC, HBT, DPT, THS, HDT
NMEA input	ACK, ACN, DDC, VTG, ZDA, GGA ROT, PSKPRSTT (Trip reset)
AUX output	Pulse 200p/nm Speed limit high/low Speed Alarm Power failure alarm
Alert	Speed alert, Power failure alert
Power supply	AC 115 - 230 V 50/60 Hz, and/or DC 24 V. Max 60W

Sensor	DL2SG-SA. 40m cable 11mm dia 100mm dia IPX7
Sea Valves	SB-100-XX Single bottom DB-100-XX Double bottom E'TNSLB retrofit

Accessories	IR300 Speed (with aft speed), CD401MR-SB Multirepeater. Dimming Control,
Classification	IMO

## Overview

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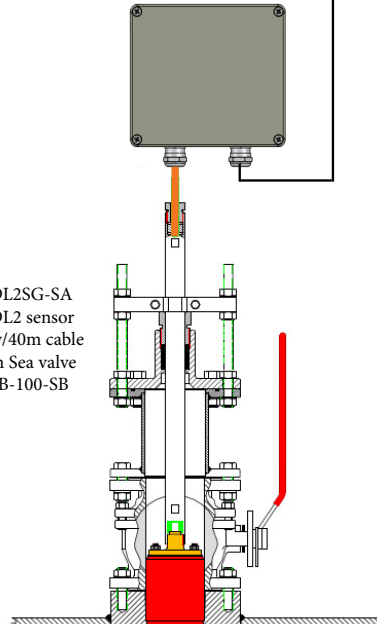
JB70D2-SA Electronic Unit

BRIDGE  
FORE PEAK

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Yard supply.  
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Dimension: see DL2 manual Chapter 3.

JB12-SA Junction box

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



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