

# SKIPPER DL1

## Single Axis Doppler Speed Log

Speed log

Single axis

Compact Display

Automated

Accurate Readings

Water temp



*The SKIPPER DL1 is a single axis speed log, working on the Doppler principle, providing longitudinal ship's speed and distance relative to sea water. The SKIPPER DL1 gives accurate navigation parameters, measured as they happen, and presented in a logical, user friendly way.*

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.

### Features:

*Speed through water in 1 axis*

*Water temperature*

*Interfaces - NMEA 0183*

*Display - 28 x 30 LED dot matrix with full night dimming*

*3 easy to use, user programmable displays, integrated menus*

*Fully automatic settings*

*Mounting options - Tank, Sea valve for single or double bottom hull designs*

*Can retrofit to EML224 system*

Doppler technology is considered as a good solution for speed log requirements. The SKIPPER DL1 measures the speed of the vessel through the water at all times and in any depth. The system includes a single sensor mounted in a tank or sea valve. The display housing can be mounted anywhere on the bridge and a connection box can be placed wherever it is most convenient for connection. A COM port within the connection box allows for easy installation and diagnostics from a laptop with a RS-232 COM port.

Not only does the SKIPPER DL1 present the critical=important parameters on screen, but can be interfaced with bridge systems and repeaters. The SKIPPER DL1 can also present speed, distance and temperature from the NMEA Interface.

Retrofit: to update an EML224 compact system, the same cabling and JB60 box may be used. A CD401XX-SB is required.

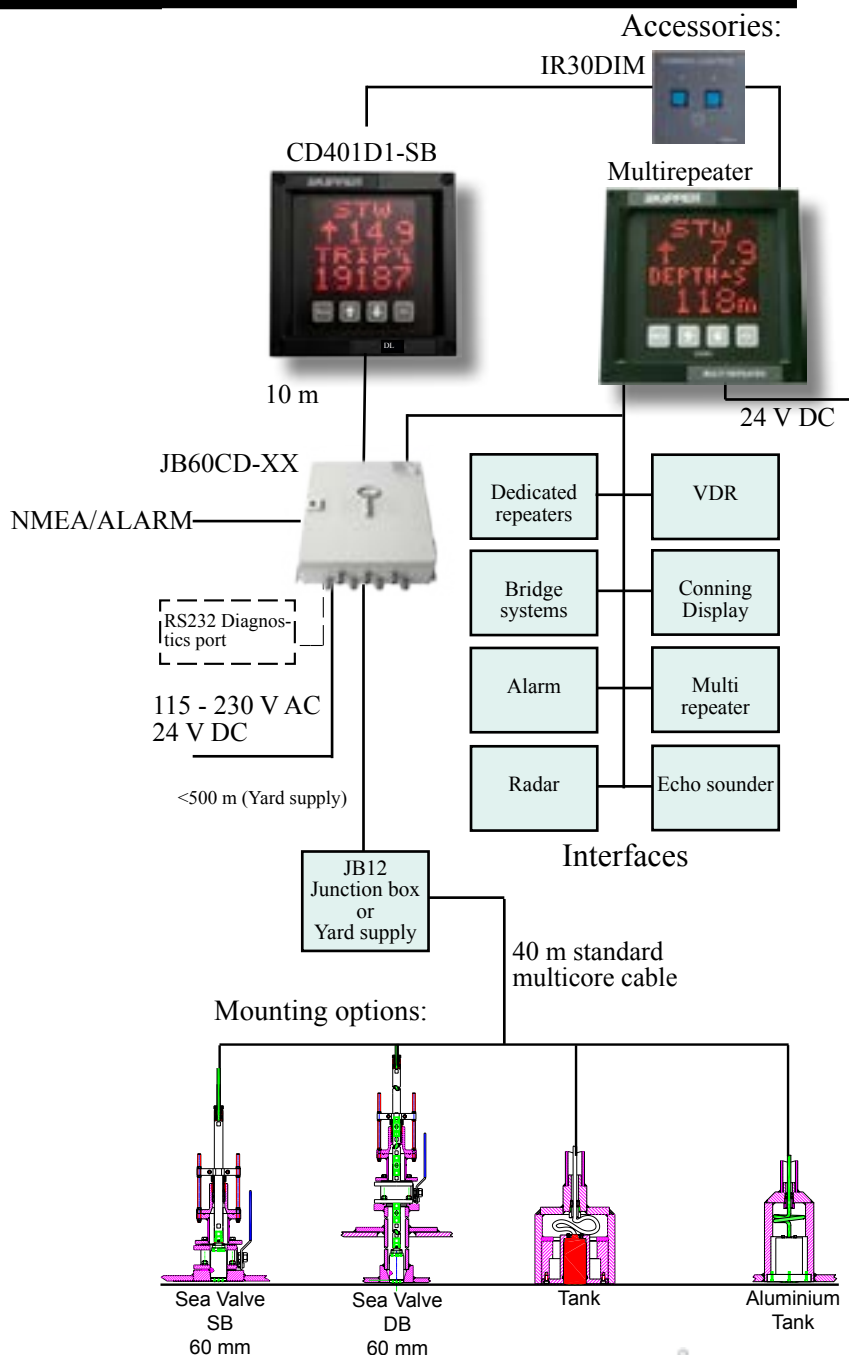
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### Specifications

Log	SKIPPER DL1	Units
Number of Axis	1	
Speed range Long	±50	knots
Speed range Trans	na	knots
Water track (from)	3	m
Accuracy (better than)	0.2 or 2 % whichever is greater	knots
Speed resolution	0.1	
Temperature accuracy	Better than 1	°C
Temp resolution	0.1	
Operating frequency	715	kHz
Display	28 x 30	LED's
Mounting dimensions	124 x 124 Bracket or panel mounting	mm
Front plate	144 x 144 to DIN standard	mm
Cabinet mounting depth with cable	90	mm
Weight cabinet	2.5	kg
Standard cable length for display	10	m
Standard cable length for sensor	40	m
<b>Mounting</b>		
<b>Gatevalve:</b>		
Single bottom	Yes	
Double bottom	Yes	
<b>Tank:</b>		
Steel	Yes	
Aluminium	Yes	
Retrofit available for Sagem, Simrad NL, Sperry, SAM and Atlas		
Speed alarms	High and low speed limits Power failure Sensor failure	
Outputs	- 2 x NMEA 0183 - 1 x isolated output (pulse) - Alarm (relay) - Fitness/power failure	
Inputs	- 1 NMEA 0183 (OPTO iso- lated) - External Dimming (pulse)	
Accepted NMEA formats	ACK	
<b>Outputs</b>		
Speed	VBW, VHW	
Distance	VLW	
Others	MTW (temp), ALR	
Power supply	AC: 115 - 230 V 50/60 Hz DC: 24 V	
Power consumption	Max. 30 W	
Certified for MED B (Wheelmark)	IEC61023, IEC60945, C61162-1/2, IEC62288	
Language	English	

### Overview



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