SKIPPER DL21



Navigational Doppler speedlog for vessels >50.000GT



The new SKIPPER DL 21 is a speed log, working on the Doppler principle, providing Speed through water (STW) and Speed over ground (SOG) in 2 axis.

The DL21 Speed Log is designed for ships over 50.000 GT with simultaneous and independent measurement of speed through water and speed over ground to comply with the requirements of MSC.334(90), amendments to performance standards for devices to measure and indicate speed and distance.

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:

Sensor with 2 independent Doppler speed logs. DL1 +DL2 Electronic unit with all required I/O + new IBS ready LAN communication. Control unit with touch screen + Compact display.

The DL21 present the critical parameters on 2 independent screens and can be interfaced with bridge systems and repeaters. The DL 21 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 21 can measure the speed of the vessel through the water at all times, and over the bottom nearing 150 m of water.

The system includes a single sensor mounted in a Sea Valve.

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Comply with the requirements of MSC.334(90), Amendments to performance standards for devices to measure and indicate speed and distance.

Specifications

	DL21	
	SOG+STW 2-axis	STW 1-axis
Operating Frequency	270-284 kHz	700-730 kHz
Speed range	+45 to - 10 kn Longitudal	+/-50 knots
	+/- 25knot Transversal	
Bottom track	1-150 meters	NA
Water track	<3m (2-12m)	<3m (2-12m)
Aft transversal speed	Yes	NA
Accuracy (better than)	0.2 knots or 2% whatever greater	0.2 knots or 2% whatever greater
Temperature accuracy	<1 °C	<1 °C
Control unit	CU-M001-SA 9" Touch display 240*155mm. Ethernet	CD402CU -SA LED display. 144*144mm Ethernet
Electronic unit	JB70D21 Combined but electrically isolated SOG+STW 2-axis and STW 1-axis. Dimensions: 115*115*180mm	
Com. with control unit	LAN	LAN
NMEA output	VBW, VLW, MTW, VHW, XDR, ALR, ALF, ALC, HBT, DPT	VBW, VLW, MTW, VHW, XDR, ALR
NMEA input	ACK,ACN, DDC, VTG, ZDA, GGA ROT, PSKPRSTT (Trip reset)	ACK, DDC, VTG, ZDA, GGA
Pulse output	Yes	Yes
Analog output	No (future option)	Yes
Alert	High/low Speed alert, Power failure alert, system failure alert	High/low Speed alert, Power failure alert, system failure alert
Power supply	AC 115 - 230 V 50/60 Hz, and/or DC 24 V. Max 60W	DC 24V. Max 60W
Sensor	DL21SG. combined but electrically isolated DL2 and DL1. 100mm	
Sea Valves	Single bottom, Double bottom	
IP rating	IP22 Control unit IP22 Electronic unit IPX7 Sensor unit	
Accessories	CD401MR-SB Multirepeater. IR300 Speed repeater(with aft speed), Dimming Control	
	IMO 💿	

SKIPPER Electronics AS

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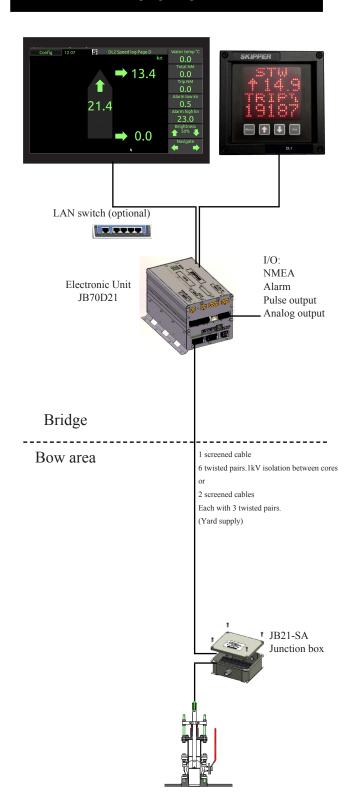
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Overview



DL21 Doppler Sensor. Consist of: STW 1-axis sensor SOG+STW 2-axis sensor Installed in 100mm Sea Valve