

# SKIPPER EML 224

## Electromagnetic Speed Log

Speed  
log

Dual  
axis

LCD  
display

Auto-  
mated

Ac-  
curate

Water  
temp



Night Display



*The SKIPPER EML 224 is a dual axis speed log, working on the electromagnetic principle, providing longitudinal and transversal ship speed relative to sea water. The EML 224 gives accurate navigation parameters, measured as they happen, and presented in a logical, user friendly way.*

SKIPPER Electronics build marine electronics for the merchant navy and fishing vessels, based on experience, research and tradition. Our products are known worldwide for reliability, sophistication and good value for money.

#### Features:

*Speed through water in dual axis*

*Water temperature*

*Interfaces - NMEA 0183 and Pulse outputs*

*Display - 10,4" LCD Colour Graphic, with full night dimming*

*Easy to use, user programmable displays, integrated menus*

*Fully automated settings*

*Easy setup and diagnostics*

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

Electromagnetic technology is considered a good low end solution for speed log requirements. The dual axis system requires no calibration, once installed.

The EML 224 measures the speed of the vessel through the water at all times and in any depth. The measurement is made on the surface of the hull and has no minimum depth. The system includes a 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.

Not only does the EML 224 present the critical parameters on screen, but can be interfaced with bridge systems and repeaters. The EML 224 will also present water temperature.

"Serve you further"

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

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

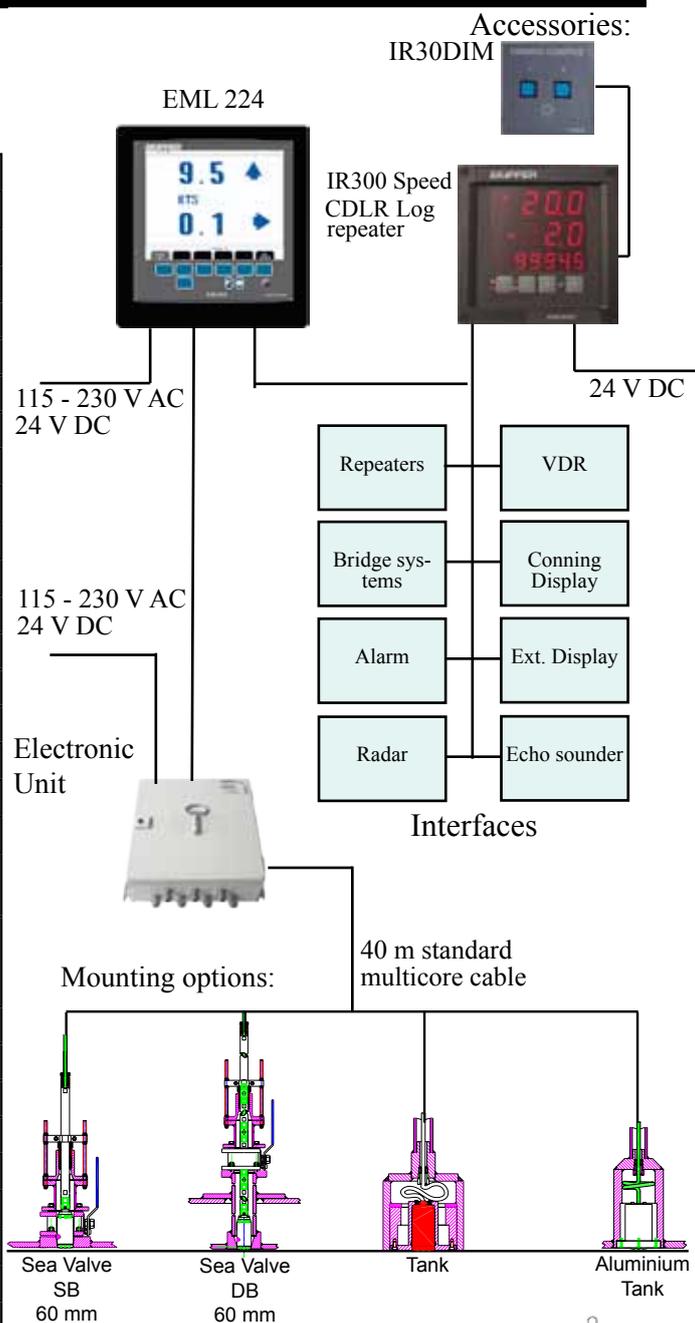
Navigational Speed Logs, Echo Sounders (Navigation and Fishery), Sonar, Direction Finders

# SKIPPER EML 224

## Electromagnetic Speed Log

### Overview

Log	SY-EML224x-xx	Units
	Dual Axis	
Number of Axis	2	
Speed range Long	±40	knots
Speed range Trans	±40	knots
Water track (from)	0	meters
Accuracy (better than)	0.2	knots
Temperature Accuracy	< 1	°C
Mounting Dimensions	300 x 320 mm	
Front plate	320 x 340 mm	
Depth	165 mm	
Weight cabinet	10 kg	
<b>Mounting</b>		
<b>Sea Valve:</b>		
Single bottom	Yes	
Double bottom	Yes	
<b>Tank:</b>		
Steel	Yes	
Aluminium	Yes	
Speed alarms	High and low speed limits Power failure	
Outputs	- 2 x NMEA 0183 - 3 x contact closure (pulse) - Alarm (Relay)	
Inputs	- 1 NMEA 0183 (OPTO Isolated)	
<b>Accepted NMEA formats</b>		
<b>Outputs</b>		
Speed	VBW, VHW	
Distance	VLW	
Others	MTW (temp)	
Power Supply	AC: 115 - 230 V 50/60 Hz. DC: 24 V	
Power Consumption	Max. 100 W	
Display	150 x 200 mm Colour LCD, 10,4"	
Languages:	English	
Accessories:	IR300 Speed repeater Dimming control	
Classification:	IMO 	
Service:	Available in most major harbours, world-wide through extensive dealer network.	



# SKIPPER

SKIPPER Electronics AS

Enebakkveien 150

P. O. Box 151, Manglerud

0612 Oslo, Norway

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

Telephone: +47 23 30 22 70

Telefax: +47 23 30 22 71

Co. reg. no: NO-965378847 - MVA

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

Date: January 2010

