

DOCKING SUPPORT SYSTEM DL-3000







Features

Wide capability for various ship

Laser of DL-3000 system targets against parallel part at the ship board and achieve stable measurement even for shallow drafted ship.

Compliance with safety class

Laser sensor is complied with safety standard JIS C 6802 class 1.

Vivid-visuality

Measured data is vividly displayed and also can be output as record data.

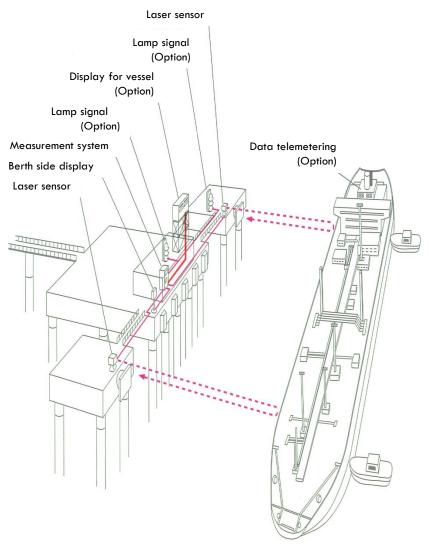
Fully-functioned alarm system

Variety of alarms such as over-speed alarm, ripping alarm and berthing angle alarm has been functioned for berthing support as safely.

Variety option

DL-3000 system can extend and connect with further option such as large display for vessel, Signal lamp alert, data telemetering etc.

KEIKI System component



No	Туре	Q'ty	Description
1	Measurement system	l set	
2	Laser sensor	2pcs	
3	Berth side Display	1pc	
4	Signal lamp (option)	l set	3 color signal lamp (Ex/Non-Ex)
5	Display for vessel (option)	l set	LED display (Ex/Non-Ex)
6	Telemetering (option)	l set	Wireless system
7	Cables	1 set	

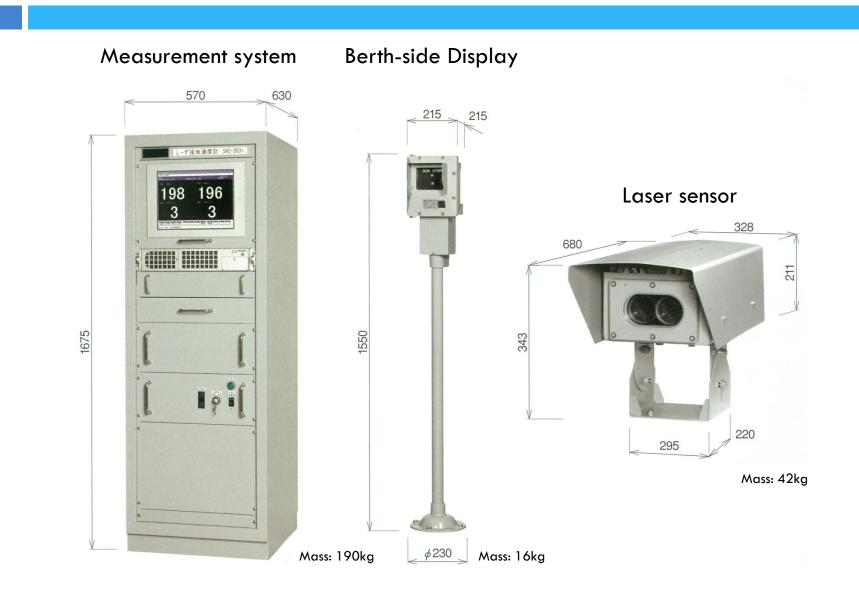
Κεικι

Specification

ltem	Description		
Measuring item	Distance between Bow to Berth and Stern to Berth		
Measuring method	Lase Pulse Echo		
Measuring range	Distance $: -1 \sim 199 \text{m}$		
	Speed : 0~+/-99 cm/sec (+: Docking / -: Ripping)		
	Angle coverage : less than +/-15 deg.		
Measuring accuracy	Distance : less than +/- 1m Speed : +/-1cm/sec		
Display	15inch LCD display at System console / LED display at Berth side display		
Indicating interval	$1 \sim 60$ sec (selectable by every 1 sec)		
Printing items	Distance, Speed, Date, Time, Print Script of LCD		
Output (option)	RS232C or RS422		
Speed Alarm	Max 99cm/sec (selectable by every 1cm/sec)		
Ripping Alarm	Max 9.9m (selectable by every 0.1m)		
Power supply	AC100V 50/60Hz		
Power consumption	Less than 350VA including 2 x Laser sensor (12VA), Berth side display (12VA)		
Laser emission	Safety Class 1 (JIS C 6802)		



Dimension





Presented by

First manufacturer of ultrasonic flowmeter among the world.

