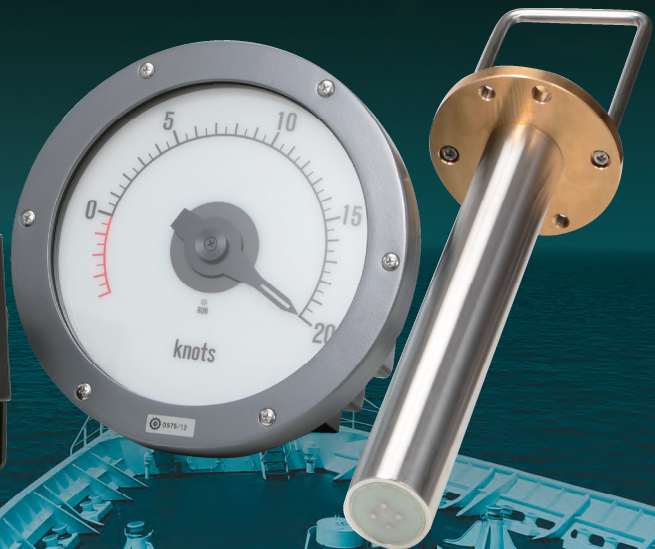


Flat type sensor Electromagnetic Log

EML900 Series



Next Generation Type Electromagnetic Log EML900 Series

EML900 series is a next generation electromagnetic log successfully adapted with a new operation unit.

EML900 fully conforms following testing standard, and improves on safety, usability, and extensibility.

This electromagnetic log can be adapted from small vessels to large vessels.

IEC60945(2002)、IEC61162-1(2016)

IEC61023(2007)、IEC62288

New Operation Unit

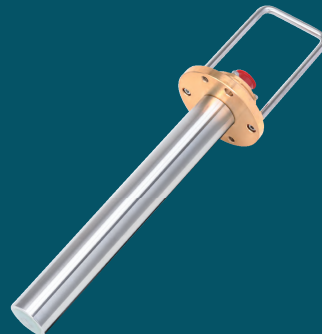
- High visibility and enhanced man-machine interface by 3.5 inch color display.
- Easy adjustment of indication speed.
- Miniaturization and weight saving unit whose equip position can be selected freely .



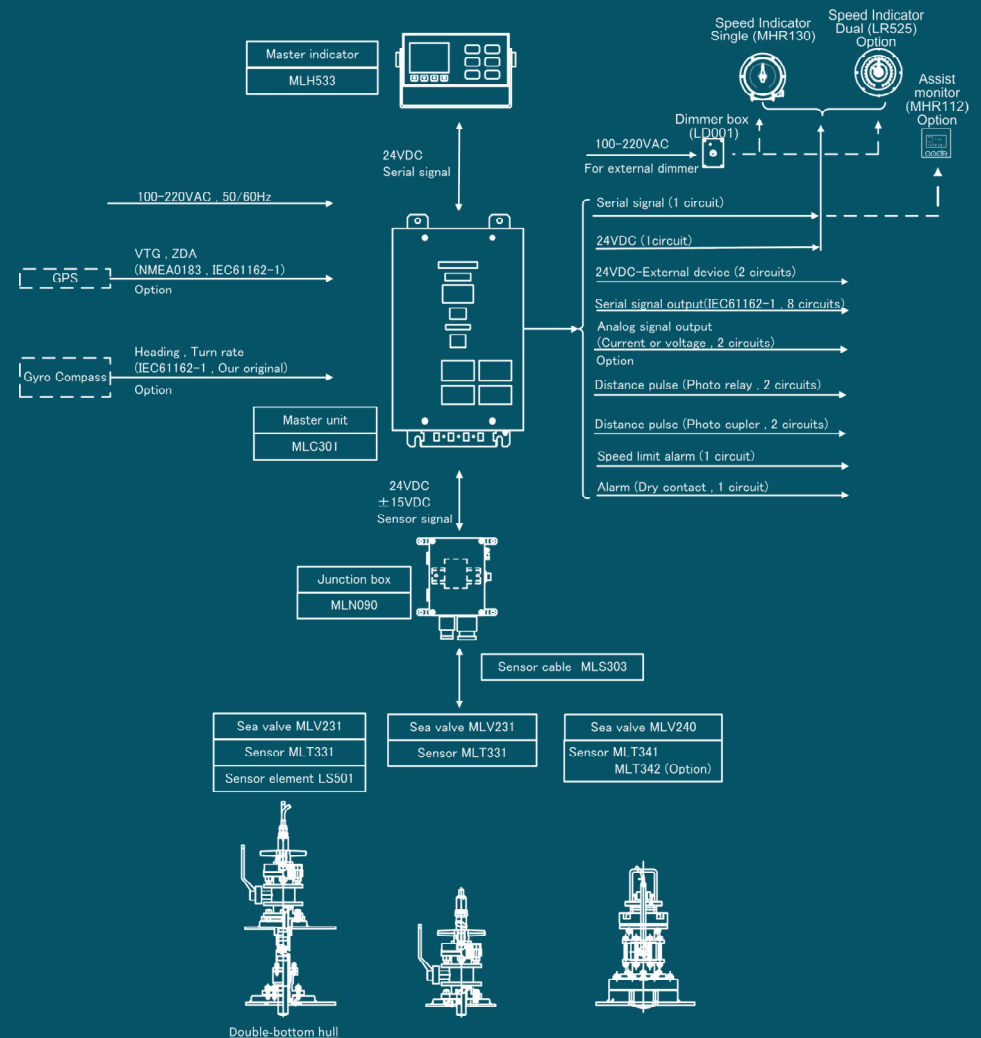
Master Indicator

Improvement of the sea valve and sensor

- Easy installation and pull-out of the sensor.
- Transverse speed can be measured if dual-axis sensor is selected.



System configuration



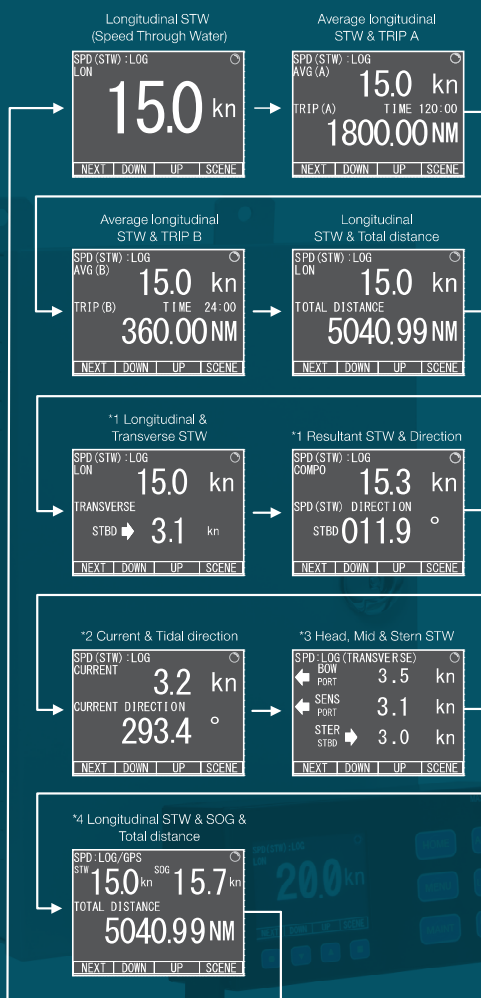
External interface

- GPS Interface: Back-up for Log sensor
(Only indicates at Master Indicator)
- GYRO Interface: For the calculation of berth speed,

Note: All of above interface are optional

Screen scene

- LOG is selected as signal source



*1 : In case of Dual-axis sensor is equipped

*2 : In case of Dual-axis sensor is equipped, Gyro and GPS signal is connected.

*3 : In case of Dual-axis sensor is equipped and Gyro is connected,

*4 : In case of GPS signal is connected.

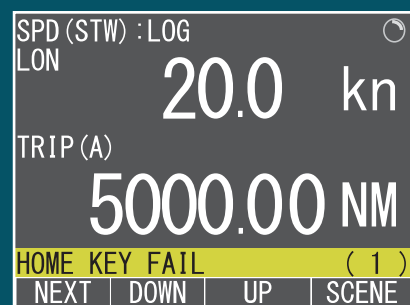
Many external outputs

- Signal output as below

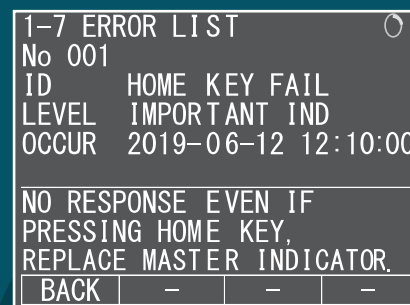
Output	Circuit	Format
Analog speed	2	Current / Voltage
Distance pulse	2	Photocoupler
	2	Photorelay
Serial	8	IEC61162-1/NMEA2.3,2.0 etc...
Speed limit	1	Contact (NC/NO)
Alarm	1	Contact (NC/NO)

Error history indication

- Detail of error and correspond can be confirmed on MENU screen.
- On error history, it can confirm normal error detail (not active)

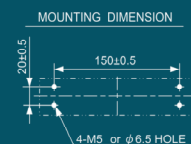
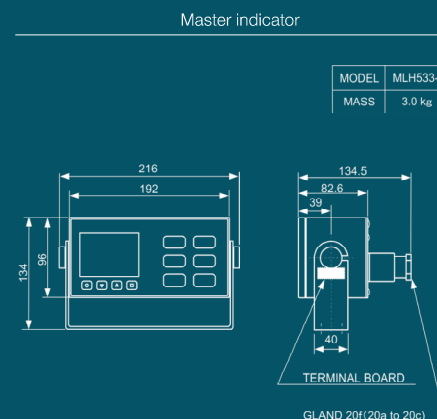


Error indication on HOME screen



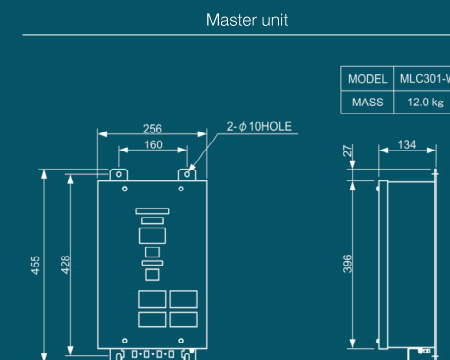
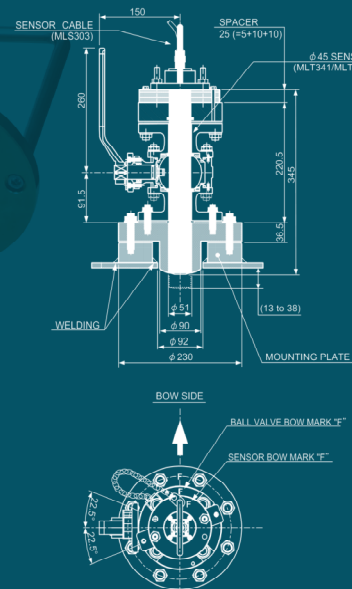
Error detail screen

Outline

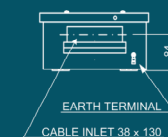


FB1/FB2
48φSensor and Seawater valve

SEA VALVE	Φ48 SENSOR
MODEL MLV240	MODEL MLT341/MLT342
MASS 25.0kg	MASS 3.5kg



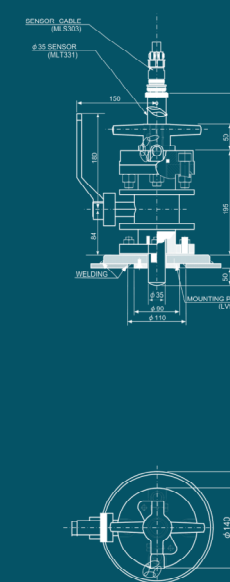
MOUNTING DIMENSION



MOUNTING DIMENSION

HD1
35φSensor and Seawater valve

SEA VALVE	Φ35 SENSOR
MODEL MLV231	MODEL MLT331
MASS 12.0kg	MASS 3.0kg



Power supply	Main power supply	100-220VAC, 50/60Hz
Power consumption	Main power supply	160VA(Maximum)
Measurement range	Longitudinal	-4kn-20kn -5kn-25kn -7kn-35kn -8kn-40kn (※1) -10kn-50kn (※2) -13kn-65kn (※1)(※2) ※1 : Cannot be selected for MHR130-SPD ※2 : Independent engineering is required to sensor attached part.
	Transverse	-6.5kn-6.5kn (※3) ※3 : Dual-axis sensor
	Distance	0NM-999999.99NM
Accuracy	Speed	10kn or low … $\pm 0.2\text{kn}$ 10kn or high … speed kn x $\pm 2\%$ For analog indication… kn x $\pm 2.5\%$ or $\pm 0.25\text{kn}$ to the speed
	Distance	$\pm 0.2\text{NM/h}$ or $\pm 2\text{NM/h}$ or high *technical requirement for the performance standard determined by IMO IMO.A824(19) and MSC.96(72).
Environmental	Temperature	-15°C - +55°C -20°C - +60°C
	Humidity	0-93% R.H (no condensation around)
	Vibration	2.0-13.2Hz : Full amplitude 2mm / 13.2-100Hz : 7m/s^2
	Protection	Junction box …IP56 Sensor bottom …IPx8 Other than above …IP22
	Power range	AC power…Voltage $\pm 10\%$ 、Ferquency $\pm 5\%$ Ship's battery …-25 - +30%
	Insulation resistance	At least 10MΩ using a 500V megger 1500VAC, 1min
	Withstanding voltage	IEC 60945
Standard	MED	MEDB00005J2

YDK Technologies Co., Ltd.

URL:<https://www.ydktechs.co.jp>



Caution: Please read the manual before using this product

Marine Equipment Business Division
Address: Minami Shinjuku JEBL
5-23-13 Sendagaya, Shibuya-ku, Tokyo, 151-0051 JAPAN

International Sales Dept. Phone : (81) 3-3225-5383 FAX : (81) 3-3225-5316
Service Dept. Phone : (81) 3-3225-5392 FAX : (81) 3-3225-5316
Domestic Sales Dept. Phone : (81) 3-3225-5382 FAX : (81) 3-3225-5316

Osaka Branch Phone : (81) 6-4706-8027 FAX : (81) 6-4706-8028
Imabari Branch Phone : (81) 898-22-4559 FAX : (81) 898-33-2005

Represented by: