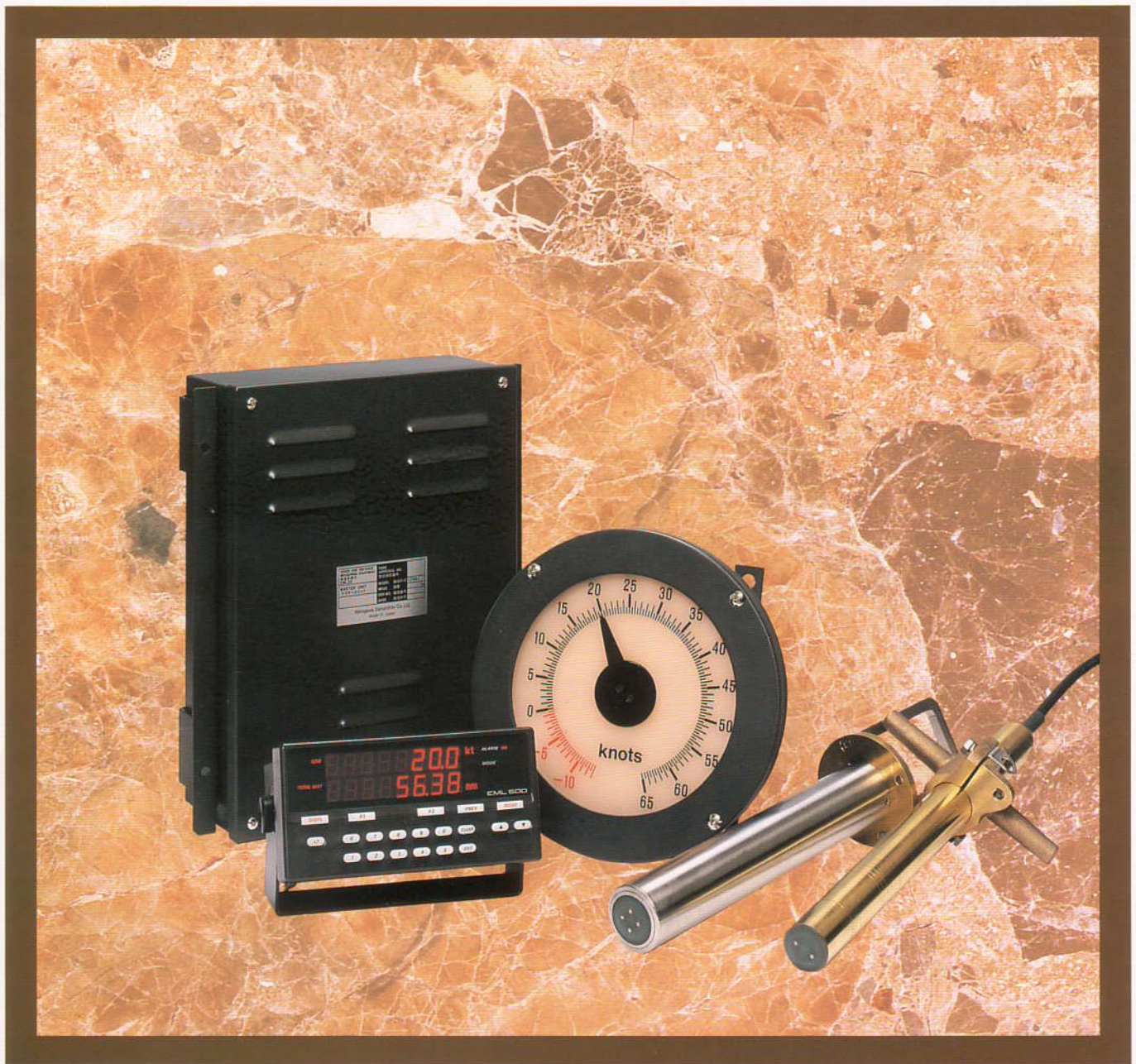


YOKOGAWA 

ELECTROMAGNETIC LOG

EML500 Series



SAFE NAVIGATION

Yokogawa Denshikiki Co., Ltd.

Bulletin 80B80T04E
3rd Edition

EML500 series, electromagnetic log With

The EML500 series of electromagnetic logs is the most recent release from Yokogawa Denshikiki Co., Ltd., adding to the more than 8,000 widely-acclaimed electromagnetic logs manufactured by the company since 1962. The EML500 series, both user-friendly and packed with the latest technology, is ideal for a wide range of vessels, from large ships through to small vessels, and high-speed ships.

Dual-axis sensor

A dual-axis sensor (option) measures not only the longitudinal speed, but also the transverse speed.



Master indicator



dual-axis flash-mountable sensor

Flash-mountable sensor

The sensor, just 48 or 70 mm in diameter, can be flash-mounted below the bottom plate of the vessel, thus making the EML500 series suitable even for high-speed vessels.



Preamplifier built into the log sensor

The preamplifier built into the sensor outputs the current signal and enables less noisy speed signals to be transmitted over long distances, thus eliminating restrictions on the distance between the sensor and the master unit.



Back up by GPS

The EML500 can receive for back up signals (NMEA-0183) from external speed sensors such as the global positioning system (GPS).

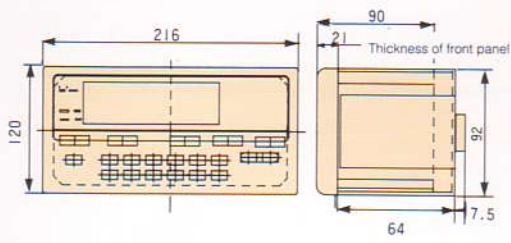
Versatile external outputs

The following outputs are available as standard specifications:

Pulse output	200 P/nm	10 circuits
Analog output	4 to 20 mA	4 circuits
	0 to 5 V	2 circuits
Digital output	NMEA-0183	2 circuits
Alarm output	Contact	2 circuits

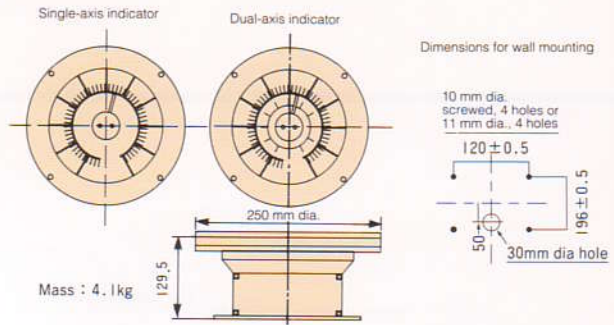
Outline Dimensions

Master indicator LR523 (flash-mounted type)



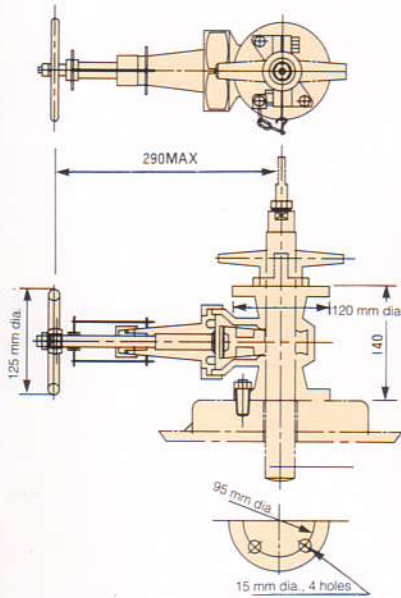
Mass : 1.1kg

Speed indicator (wall-mounted type)



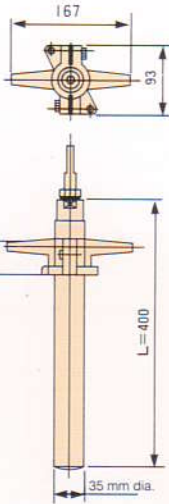
Mass : 4.1kg

Valve/sensor (single-axis)
(LVO33)



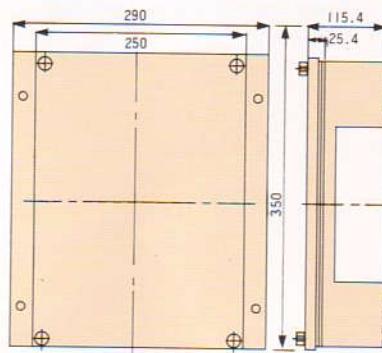
Mass : 8 kg

(LS531)



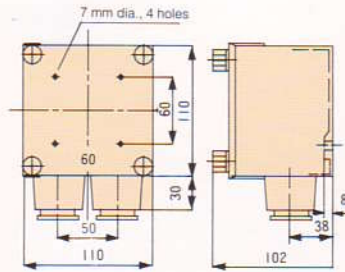
Mass : 3.3kg

Master unit LT501 (flash-mounted type)



Mass : 6.4kg

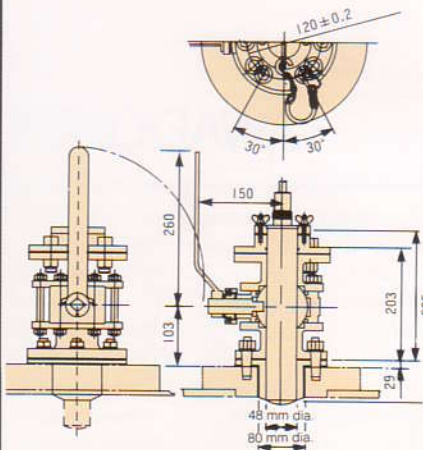
Junction box LN052



Mass : 0.8kg

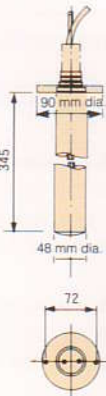
Dual-axis (single-axis)

Valve (LV052)



Mass : 25kg

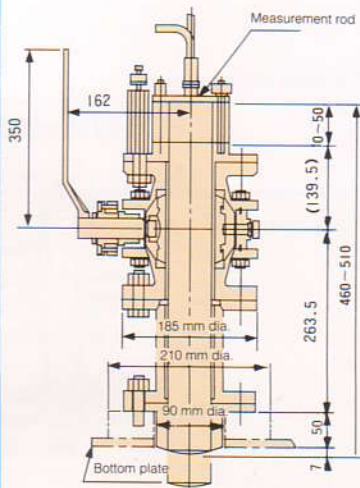
Sensor (LS542)



Mass : 2.8kg

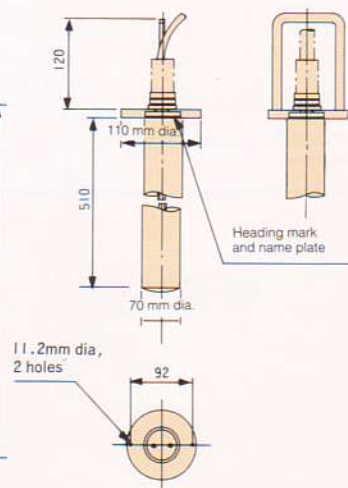
Single-axis (dual-axis)

Valve (LV071A)



Mass : 43kg

Sensor (LS571)



Mass : 6.0kg

System Configuration

