

Marinelite®

ELECTROMAGNETIC LOG

MODEL **EML9000**



CCS
CHINA CLASSIFICATION SOCIETY
中国船级社

- Speed through water in Single or Dual axis (optional)
- The speed information measured by the speedometer combined with the heading information provided by the gyro compass or magnetic compass can be used to derive the ship's position.
- Multiple NMEA0183 outputs, pulse and analog, provide highly accurate speed information for marine navigation equipment such as satnavs, auto-integrated navigators, ARPA's and true motion radars
- Provision of longitudinal and transverse speed information to modern large or very large ships to ensure their safety when navigating, docking and anchoring in narrow waterways.
- 7.0-inch color touch screen display unit, providing the speed to water (STW) and travel distance information, more intuitive data, more convenient equipment.

SPECIFICATIONS

Number of Beam Channels	2 Channels / 4 Channels (Optional)
Speed Measurement Range	Longitudinal: -12.5~40.0kn Transverse: -12.5~40.0kn
Mileage Measurement Range	0.0 ~ 99999.9 nm
Speed accuracy	± 2% or 0.2 kn, whichever is greater
Mileage accuracy	± 2% or 0.2 nm/h, whichever is greater
Display unit	
Screen	7-inch LCD 800*480 4.2-inch LCD 720*672(optional)
System Language	Simplified Chinese/English
Interface	
NMEA 0183	IEC61162-1 Ed5 Input/output 8 units
NMEA 2000	1 (optional)
PPS	2
Speed Analog Current Output	2 (Optional)
Speed Analog Voltage Output	2 (Optional)
Output Sentences	Standard: VBW, VLW Optional: ALF, ALC, ALR, HBT, RMC, GGA, VTG, GLL
Input Sentences	Optional: ACN, RMC, GGA, GLL, VTG, HBT
Power Supply	100~240V AC: 1.8A 50/60HZ
Environment	
Temperature Range	Transducer Unit -5 °C ~ +35 °C Other Units -15 °C ~ +55 °C
Relative Humidity	93% or +55 °C
Protection Rating	Display Unit IP 22 Display Unit(Optional) IP 67 Junction Box IP 22 Sensor Unit IP 68
Vibration	IEC 60945 Ed.4

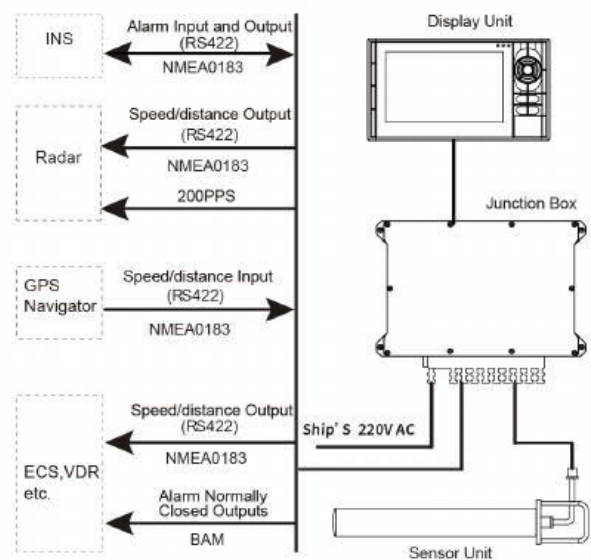
Standard Components

- Display Unit EML9007
- Junction Box EML900J
- Sensor Unit

Option

- Multi-Functional Display MI42, MI70

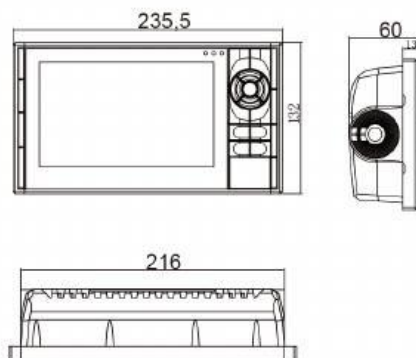
SYSTEM DIAGRAM



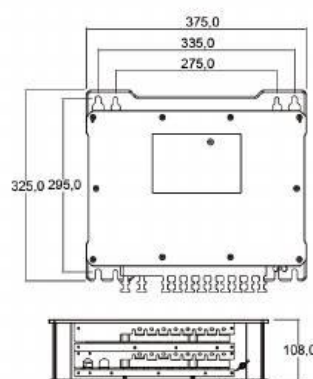
DIMENSIONS

Electromagnetic Log

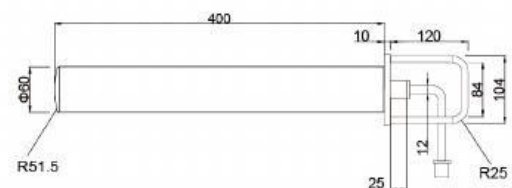
Display Unit



Junction Box



Sensor Unit



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