

Electromagnetic Log (EM-Log)



Attention:

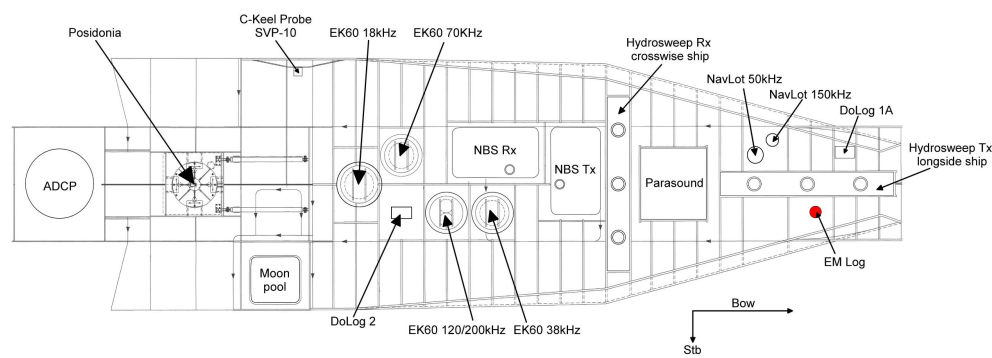
The EM-Log is operated by ship's command only.

Summary

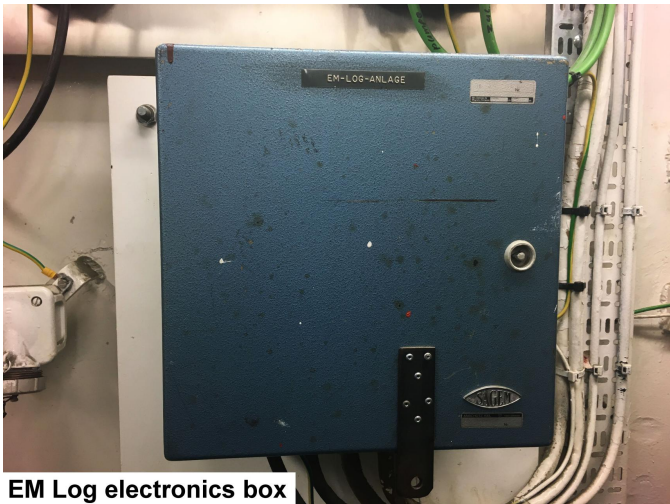
The electromagnetic log measures the speed of the vessel through water.

Manufacturer	SAGEM
Model	LHS
Serial No.	n/a
Type	speed log
REGISTRY-Link	REGISTRY (627)

Position of Devices in Polarsterns box keel



Installation of EM Log transducer in box keel



EM Log electronics box



EM Log display on bridge



EM Log display

Contacts

Name	Institution	Role
Reederei Laeisz	F. Laeisz	Engineer In Charge

Components

Position

Info	xyz-position of transducer from Alignment Survey Report RV Polarstern (June 2016), transducer located in box keel, electronics located on G-deck room G707, display located on bridge
X	78.99 m (X-0 is at the center of der rudder (ref. design drawing of the vessel), positive X-axis is forward and along vessel centerline)
Y	-0.502 m (Y-0 at centerline, positive Y-axis is portside)
Z	0.022 m (Z-0 is set to the lowest point of the keel, positive Z-axis is upwards)

Data logging, storage and archiving

Logged parameters

Parameter	O2ARegistry Output Type	Unit
speed	speed	knot

Central geographical ship's position and time standard

Rawdata storage on board

Dship

Data archiving on land