NAVAL TECHNOLOGY

AGILOG 2

Electromagnetic Log System

Excellence in Naval Engineering

530+ UNITS IN SERVICE WORLDWIDE BY 41 NAVIES

Trusted by the Royal Navy and navies worldwide

GPS	**At sea**	**Dual**	**Low**
assisted calibration	sensor replacement	axis capabilities	magnetic signature

Developed for use in surface warships and submarines, AGILOG 2 sets the standard for accurate and reliable measurement of ship's speed through the water - an essential element in navigation and weapons system integration.

AGILOG 2 is ully type approved to military standards, with over 530 systems operational in 41 navies worldwide.

The AGILOG 2 Speed and Distance Transmitter Unit (SDTU) provides a wide range of system interfaces and expansion options.

Trusted by the best navies in the world

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The SDTU can be used with a variety of repeaters – please ask us for more details.

OUTPUT AND DATA TRANSMISSION

Generous output facilities are available from the AGILOG 2 system, typically :-

- 2 x RS422 (NMEA or Custom Protocol) outputs as standard, optional expansion to 12 where required
- Up to 2 x Solid state Synchro outputs
- Analogue voltage outputs
- Ethernet output

Up to 4 sets of solid state contacts for:

- Pulses Per Mile 100, 200, 400
- Fault Alarm
- Simulation Mode
- Speed Limits for Periscope Interlocks

FEATURES

- LCD colour display menu driven screen operation on front panel via soft keys
- Enhanced Built in Test Facilities (BITE) and Diagnostics
- Simulation mode - enabling operation of the Log System in the absence of a signal from the underwater sensor
- Dual Axis Probe capability - Optional for forward and athwartships speed
- Dual Calibration Curves available for EM sensors - If required, each sensor can be calibrated for two or four alternative operation conditions (Typical examples, changes in water flow caused by a retractable sonar dome, or a submarine surfaced/dived)
- Dual EM sensor option - For high integrity naval applications
- Low magnetic signature EM probes - contact AGI for further information
- Auto Depth Probe Changeover (Submarine Applications)
- Ethernet interfacing built in
- Brightness dimmer down to zero
- GPS assisted calibration
- Trip Meter - for daily/hourly distance
- Sensor replacement without dry docking

For optimum accuracy:

- Use Fixed Probe, operates outside of the boundary layer and has been proven to give the optimum accuracy, achievable consistently.
- Alternatively, where for mechanical reasons protruding sensors cannot be used, use our flush probe instead.

SYSTEM SPECIFICATION	
Instrument range	Forward Speed: -25 to +60 kts Transverse Speed: -15 to +15 kts (dual-axis configuration only)
Specified speed accuracy after calibration	With fixed protruding probe (0 - 10 kts) ± 0.1 kts / (>10 kts) 1%. With fixed flush probe: (0 - 10 kts) ± 0.2 kts/ (>10 kts) 2%.
Distance Accuracy	Better than 0.07% in addition to speed error

SPEED AND DISTANCE TRANSMITTER UNIT (SDTU)	
Power	115V 60Hz or 230V 50Hz
Dimensions	427 x 340 x 198 mm
Weight	15 kg
Anti-Condensation Heating	Supplied as standard
Ingress Protection	IP55

FLUSH PROBE	
Power	Powered by SDTU
Dimensions	Ø 216 x 175 mm
Weight	6.0 kg

HIGH SPEED PROBE	
Power	Powered by SDTU
Dimensions	Ø 200 x 225 mm
Weight	5.0kg

FIXED PROBE	
Power	Powered by SDTU
Dimensions	Ø 216 x 495 mm
Weight	13 kg

For more information or to enquire about our **bespoke design services** please get in touch:

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