

Depth, Speed-Through-Water, Water Temperature, Boat Attitude

The new DST810 Smart Multisensor, featuring the new Gen2 paddlewheel and AIRMAR's CAST™ app, delivers a powerful combination of best-in-class speed performance and a simple, reliable way to calibrate accurate speed using your wireless device. The Gen2 paddlewheel delivers industry-leading start-up speed-through-water data below 0.3 knots and is linear at 0.6 knots, maintaining accurate performance up to 45 knots.

The DST810 and CAST app provide a simple, consistent way to calibrate speed-through-water. The free CAST app delivers calibration options that, until now, were only available through expensive PC-based software. In addition to water temperature, depth and newly upgraded 5.7 Hz (5X per second) speed-through-water output with improved speed resolution, the DST810 features an integrated attitude sensor for heel and trim data. This information, combined with Airmar's powerful and simple CAST app, makes heel-compensated speed calibration across multiple heel angles and speed ranges both fast and intuitive, and is independent of the onboard instruments.

Features:

- NEW for 2022! DST810 now features the Gen2 paddlewheel for industry-leading speed performance from 0.3 knots to 45 knots.
- Smoother Speed 5.7 Hz speed output (5X per second) for visibly smoother speed-through-water reporting and faster data for better decision making when every second counts.
- Integrated Attitude Sensor for heel and trim and used in advanced speed calibration.
- Wireless connectivity to Airmar's CAST app has new user-friendly benefits:
 - Calibrate the DST810 in a simple, intuitive way from your mobile device.
 - Conduct basic and advanced heel-compensated speed calibrations for improved speed-through-water outputs across the speed range.
 - Advanced speed calibration allows for manual speed entries for multiple heel angles and up to 10 speeds, formerly only possible through expensive PC software.





Introducing the Paddlewheel That Sets the Standard for Performance

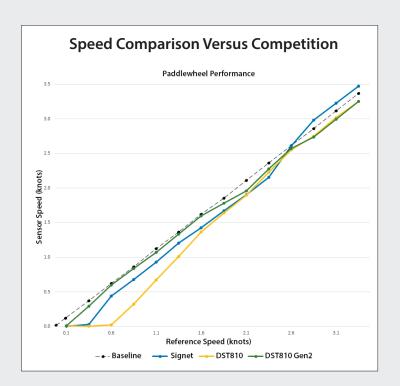




Airmar's new, next-generation paddlewheel design delivers industry-leading performance for start-up responsiveness and linearity throughout the speed range. Gen2 paddlewheel maintains the top speed performance Airmar is known for and adds start-up speed performance that beats all other available paddlewheels. The Gen2 paddlewheel is the most sensitive and accurate paddlewheel available for sailing and power boats.

Key benefits of the new Gen2 paddlewheel include:

- Ultra-responsive speed begins as low as 0.3 knots and becomes linear at 0.6 knots.
- Speed-through-water readings stay accurate and smooth through 45 knots.



SPECIFICATIONS

Weight:

—0.9 kg (2.0 lb)—Plastic

—1.6 kg (3.5 lb)—Bronze

—1.9 kg (4.2 lb)—Stainless Steel

Acoustic Window: Urethane
Hull Deadrise: Up to 22°

Data Update Rate: Depth: 1X/second

Speed: 5X/second Heel/Trim: 10X/second

Attitude Accuracy: +/- 1° nominal after sensor calibration

Depth Frequency: 235 kHz

Minimum Depth Range: 0.5 m (1.6')

Maximum Depth Range: Up to 100 m (330')—NMEA 2000®

Speed Range: 0.3 knots to 45 knots

Pressure Rating: 3 m (10')

Supply Voltage: 9 VDC to 16 VDC—per NMEA 2000®

Supply Current: <200 mA— per NMEA 2000°
Wireless Protocol: Bluetooth Low Energy (BLE)

Wireless Range: Up to 30 feet depending on mount location

Standard Cable Length: 6 m (20') DeviceNet—NMEA 2000®

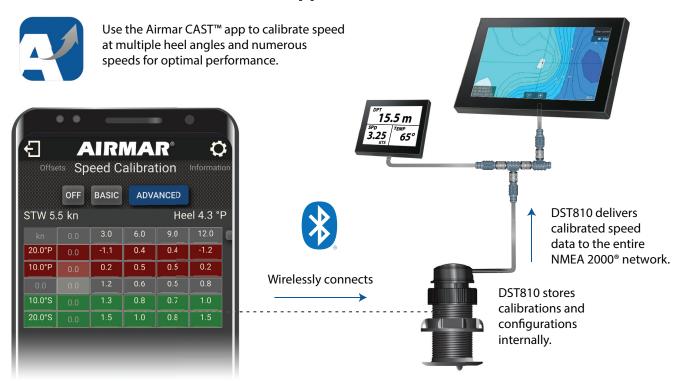
Temperature Sensor Accuracy: ±0.5°C (±1.8°F)

Temperature Sensor Range: -10°C to 40°C (14°F to 104°F)

NMEA 2000® Load Equivalency Number (LEN): 3

CE Regulation: Complies to IERC60945

CAST App With DST810





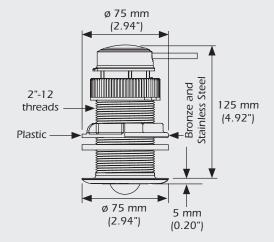
DATA OUTPUT PROTOCOL

NMEA 2000° Supported PGNs
059904ISO Request
060928ISO Address Claim
065240Commanded Address
59392ISO Acknowledgement
126208Acknowledge Group Function
126464Transmit PGN List Group Function
126464Received PGN List Group Function
126993Heartbeat
126996Product Information
126998Configuration Information
127257Attitude
128259Speed (Speed Water Reference)
128267Water Depth (With Transducer Offset)
128275Distance Log
130310Environmental Parameters (Water Temperature)
130311Environmental Parameters (Water Temperature)
130312Environmental Parameters (Water Temperature)

130316.....Temperature, Extended Range

DIMENSIONS

P617V Plastic, B617V Bronze, and SS617V Stainless Steel



Airmar's innovative housing design incorporates a self-closing valve to minimize water flow into boat when the insert is removed.











As Airmar constantly improves its products, all specifications are subject to change without notice. All Airmar



www.airmar.com

©2022 Airmar Technology Corporation

DST810_rG 06/01/22



