

Speed & Temp Offerings



Paddlewheel ST800/ST850

Features:

- Speed & Temperature

Specifications:

- Hull Deadrise: Up to 22°
- Data Update Rate: once per second (NMEA2000®)
- Speed Range: 2 knots to 45 knots (2 MPH to 52 MPH)
- Available Outputs: Analog or NMEA2000®
- Pressure Rating: 3 m (10')
- Pulse Rate: 17,000 p/nm* (4.8 Hz per knot)—
*p/nm = pulses per nautical mile
- Temperature Sensor Accuracy: ±0.5°C (±1.8°F)
- Temperature Sensor Range: -10°C to 40°C (14°F to 104°F)
- Supply Voltage: 9 VDC to 16 VDC
- Supply Current: <200 mA
- Thru-Hull Housing Material: Plastic, bronze, or stainless steel
- NMEA2000® Load Equivalency Number (LEN): 2
- CE Regulation: Complies to IEC60945
- ST800—Retrofits into AIRMAR P120 and B120
- ST850—Retrofits into AIRMAR P17 and B17



Ultrasonic UST800/UST850

Features:

- Ultrasonic Speed & Temperature in one housing
- Precise readings at high speeds ideal for powerboats, cruising and sailing
- Data Update Rate: up to 10 x per second
- Advanced filtering & sampling rates for increased accuracy at all speeds
- Adapts automatically to boat speed, water depth and water clarity keeping speed accuracy consistent
- No moving parts – no paddlewheel**

Specifications:

- Correlation Speed Sensor Transmitting Frequency: 4.5 MHz
- Correlation Pulse Repetition Frequency: 0.5 kHz to 12 kHz (varies with speed)
- Speed Range: 0.1 to 50 knots (.1 MPH to 57 MPH)
- Available Outputs: NMEA 0183 or NMEA2000®
- Water Temperature Range: -4°C to 40°C (24.8°F to 104°F)
- Supply Voltage—NMEA2000®: 9 VDC to 16 VDC
- Supply Current: 80 mA - 200 mA, Average 125 mA @12VDC
- Thru-Hull Housing Material: Plastic (bronze or stainless steel optional)
- Thru-Hull Housing Diameter: 51 mm (2")
- CE Compliant: Yes
- UST800—Retrofits into AIRMAR P120, B120 housings
- UST850—Retrofits into AIRMAR P17, B17, P617V housings

Depth, Speed & Temp Offerings



Ultrasonic UDST800

Features:

- Ultrasonic Depth, Speed & Temperature** in one housing
- Precise readings at high speeds ideal for powerboats, cruising and sailing
- Data Update Rate: up to 10 x per second
- Advanced filtering & sampling rates for increased accuracy at all speeds
- Adapts automatically to boat speed, water depth and water clarity keeping speed accuracy consistent
- No moving parts – no paddlewheel**

Specifications:

- Correlation Speed Sensor Transmitting Frequency: 4.5 MHz
- Correlation Pulse Repetition Frequency: 0.5 kHz to 12 kHz (varies with speed)
- Speed Range: 0.1 to 50 knots (.1 MPH to 57 MPH)
- Available Outputs: NMEA2000®
- Water Temperature Range: -4°C to 40°C (24.8°F to 104°F)
- Depth: 235 kHz
- Depth Range: Minimum 0.6 m (2'), Maximum 100 m (328')
- Supply Voltage—NMEA2000®: 9 VDC to 16 VDC
- Supply Current: 80 mA - 200 mA, Average 125 mA @12VDC
- Thru-Hull Housing Material: Plastic (bronze or stainless steel optional)
- Thru-Hull Housing Diameter: 51 mm (2")
- CE Compliant: Yes
- Retrofits into AIRMAR P617V housing



Electromagnetic DX900+ MultiLog Sensor

Features:

- Electromagnetic Speed Measurement with Depth & Temperature* in one housing
- Dual Axis speed:** Longitudinal and transverse
- Transverse speed feature calculates leeway movement when vessel is underway
- Unparalleled accuracy as low as 0.1 knots (@1 knot)
- Designed for performance racing
- No moving parts – no paddlewheel**

Specifications:

- Data Update Rate: once per second
- Speed Range Longitudinal Forward: +/- 60 knots (+/- 69 MPH)
- Speed Range Transverse: +/- 6 knots
- Available Outputs: NMEA2000®
- Operating Temperature Range: -15°C to 55°C (5°F to 131°F)
- Depth Range: Minimum 0.6 m (2'), Maximum 60 m (197')
- Supply Voltage: 9 VDC to 16 VDC
- Supply Current: <170 mA
- Thru-Hull Housing Material: Low-profile, plastic (stainless steel optional)
- Not compatible with bronze housings
- CE Compliant: Yes to IEC60945
- Speed/Temp version also available in NMEA 0183 only**
- Retrofits into AIRMAR P617V

