



Shorty™ Series Speed / Temperature

S300 • ST300

The S300/ST300 speed sensors are our lowest cost and shortest thru-hull speed sensors. As part of our Shorty™ Series, they are designed for boats with low headroom. The plastic P371 low profile outer housing option is nearly flush and minimizes drag with only 5 mm (3/16") extending outside of the hull. The plastic P398 countersunk outer housing option mounts flush, eliminating turbulence for more accurate speed readings.

Features:

- Total height is only 75 mm (2.96")
- Fins alongside the paddle-wheel provide flow stability for accurate readings at low speeds and in cross flow conditions
- Self-closing valve eliminates flow of water into the hull when paddlewheel insert is removed for easy service or storage
- Right angle cable exit reduces required headroom and protects cable from damage

Performance:



Speed Range

2 – 45 knots
2 – 52 mph



Hull material:
Fiberglass
Aluminum

Photo: P371

Nominal Pulse Rate:	Per Nautical Mile	Per Knot
P371 Housing With Fins:	17,000 pulses	4.8Hz
P371 Housing Without Fins:	19,000 pulses	5.3Hz
P398 Housing With Fins:	14,400 pulses	4.0Hz
P398 Housing Without Fins:	17,000 pulses	4.8Hz
Supply Voltage:	5-25 VDC	
Weight:	0.6 kg (1.3 lb.)	
Hole Diameter for Installation:	51mm (2")	

Also see:

P6, P7, P8, P206, P207,
P208 for matching depth

U.S. Patent No.: 4,898,029 • U.S. Patent No.: 5,186,050 • Australian Patent No.: 605,281
Canadian Patent No.: 1,313,775 • Japanese Patent No.: 1851014



AIRMAR®
TECHNOLOGY CORPORATION



Shorty™ Series Speed / Temperature

S300 • ST300

Applications:

- P371 housing option-
Cruising sailboats and
planing powerboats
- P398 housing option-
High speed powerboats
and racing sailboats

Notes:

- Housings are ABYC H-27
compliant
- Included rubber washer
(part # 09-452) allows tightening
of the hull nut to irregular
hull surfaces
- P398 housing installation
requires special cutter

Options:



- Temperature sensor
- Intelligent circuitry for linearity correction
and jitter control
- No fins alongside paddlewheel
- Two wire speed circuit
- Pulse division circuitry or other pulse rates
- Over-voltage protection (OVP)

Parts & Accessories:



Hull or Cap Nut:
Hull- 04-004
Cap- 04-011



Blanking Plug:
33-386-01

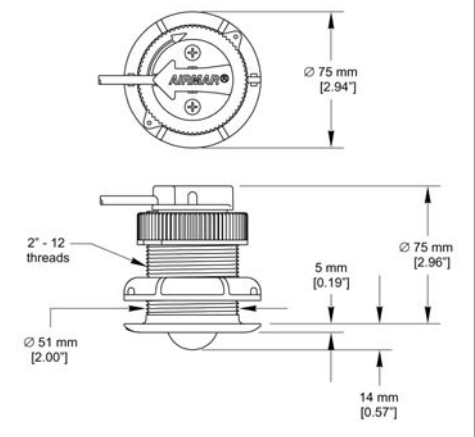


Paddlewheel Kit:
33-350-01



Housing & Nut:
P371- 33-361-01
P398- Call Airmar

P371



P398

