



Smart™ Series Retractable Tri™

DST800 – Low Profile

The new Smart™ DST800 Retractable Tri™ offers depth, speed and temperature functions in one compact thru-hull fitting. Only one hole in the boats hull makes this TRIDUCER® multisensor attractive to both boat builders and boat owners. This retractable TRIDUCER® multisensor is available with NMEA0183, NMEA2000® or custom CAN protocols. The wide fore-aft, fan shaped beam is able to find bottom even when installed on high deadrise hulls or on sailboats when heeled!

Features:

- Airmar's patent pending speed signal processing for stable and high accuracy speed readings from 1–60 MPH
- The nearly flush housings minimize drag with only 5 mm (3/16") extending outside of the hull
- Depth, speed, and temperature insert is easily removed for quick service or storage
- Self-jacking cap makes it easier to remove insert
- Available as molded plastic P17 model, robust bronze B17 model, and versatile stainless steel SS577 model

Performance:

	235kHz-F			
Max Depth	60m – 120m 200' – 400'			



Hull material:
Fiberglass- P17, B17, SS577
Wood- B17, SS577
Aluminum- P17, SS577
Photo: B17

Frequencies:	Beam Width: (@-3dB)	Figure of Merit: (dB)	Q:
235kHz-F	10°x44°	-35	14
Acoustic Window:	Urethane		
Weight:	P17 molded plastic: 0.9 kg (2.0 lb.) B17 cast bronze: 1.6 kg (3.5 lb.) SS577 stainless steel: 1.9 kg (4.2 lb.)		
Hull Deadrise Angle:	Up to 22°		
Hole Diameter for Installation:	51mm (2")		
Speed Range:	1-52 knots (1-60 mph)		
Pulse Rate:	20,000 p/nm* (5.6 Hz/knot) * p/nm= pulses per nautical mile		
Supply Voltage:	5-25 VDC		

Also see:
Smart™ DST800: P217/B119
Smart™ DST800: P314/B21

Patents Pending



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Applications:

- Sailboats
- High deadrise hulls
- Planing hull powerboats

Notes:

- Right angle cable exit reduces required headroom and protects cable from damage
- Included rubber washer (part # 09-452) allows tightening of the hull nut to irregular hull surfaces
- Depth, speed, temperature insert easily fits into any existing 51 mm (2") Airmar flange housing
- Housings are ABYC H-27 compliant

Options:



- Temp2 second temperature measurement
- Custom communication protocol
- Available with 170kHz ceramic element

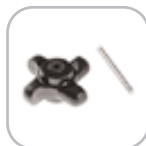
Parts & Accessories:



Hull Nuts:
P17- 04-004
B17- 02-030
SS577- 02-531-01



Housing & Nut:
P17- 33-417
B17- 33-100
SS577- 33-495-01



Paddlewheel Kit:
33-398-04



Blanking Plug:
33-486-01

