

## Introduction

Welcome to the **Sounder**, Airmar's bi-monthly newsletter that presents our newest innovative products, offers hands-on installation tips, explains our quality features, and acquaints OEMs, installers and the press with our company's resources. To see this newsletter complete with graphics, go to Airmar's website at [www.airmar.com](http://www.airmar.com).

In this issue, the Airmar WeatherStation wins a METS Dame Award. Read about the new M89 transducer and also learn about changes to Airmar's DST800 Transducer in the technical bulletin.

If you know someone who would like to receive this informative newsletter, or if you would like to un-subscribe, contact us at [sales@airmar.com](mailto:sales@airmar.com).

## WeatherStation Update

The AIRMAR WeatherStation is now available for shipment through our US Distributor Gemeco, and our European Distributor AIRMAR Europe. Contact information is below.

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## Airmar WeatherStation Wins METS DAME Award



Airmar is proud to announce that the WeatherStation won special mention for marine electronics at the METS DAME Award Ceremony in Amsterdam in November. Every year, this prestigious contest recognizes the most innovative, new, marine products. Our WeatherStation was selected from a field of 250 entrants. To learn more, go to [http://www.metstrade.com/dame\\_spec\\_mentions2005](http://www.metstrade.com/dame_spec_mentions2005).

## New 2kW, Dual-frequency M89 Transducer—Great Performance & Great Value



New-for-2006, Airmar's M89 is an ideal selection for sport or commercial fishing vessels 30' and larger looking for serious performance and serious value in a 2kW external mount transducer.

This powerful dual-frequency (50 and 200kHz) transducer is engineered to provide superior performance when interfaced with 1kW or 2kW echosounders from all the top manufacturers. In

addition, the highly sensitive, fast responding, water-temperature sensor allows skippers to pinpoint and track even the slightest temperature breaks—a key to locating offshore game fish. The M89 is also light on the wallet—costing significantly less than comparable 2kW transducer models currently on the market.

Featuring our exclusive Broadband Ceramic Technology, the M89's 200 kHz element will bring you higher echosounder resolution without sacrificing sensitivity. The 15-element 50 kHz array delivers professional deep-water performance and target/bottom separation down to depths of 4,000 feet. With these capabilities, fish literally have nowhere to hide.

The M89 is available with a diplexer for single transmission-line echosounders or without a diplexer for use with dual transmission-line models. When installed with a High-performance Fairing, to the M89 gives excellent results at speeds over 30 knots. Boats can track the bottom cleanly, note important structure or pick up distinct fish targets.

When installed with Airmar's newest stuffing tube, the M89's connector passes through easily, for quicker installation and maintenance. Even with all these technical innovations and performance advantages for serious anglers, the M89 will cost less than comparable 2kW transducer models (specific pricing varies by compatible echosounder manufacturer).

### **Technical Bulletin**

#### **The DST800 Retractable TRIDUCER® Multisensor is now available with a VALVE**



The industry's only depth, speed and temperature retractable transducer is now available with a valve! The DST800V meets customer demand for our patented valve assembly that prevents water from rushing into the hull when the insert is removed. And the addition of a valve lets boaters service the new DST800V while the vessel is in the water, saving time and money!

Offered in NMEA 2000®, NMEA 0183 or Analog versions, the new DST800V simplifies any installation by delivering three readings while having only one hole drilled in the bottom of the boat. These three important readings can then be displayed on instruments, echosounders, NMEA repeaters or Network navigation systems.

The new DST800V includes:

- Airmar's patented self-closing valve assembly.
- Two O-rings, one at the top and one at the bottom for a water-tight seal.
- Industry standard 2" thru-hull hole size.
- NMEA 2000®, NMEA 0183 or Analog versions available.

Although the new DST800V contains Airmar's popular TRIDUCER® insert, the original DST800 inserts cannot be retrofitted into the new housing with a valve. This is because all DST800 inserts manufactured prior to November 2005 have ribs and an alignment key. If an older style insert with ribs is pushed into the new P617 housing (which contains a valve), the insert will damage the valve assembly.

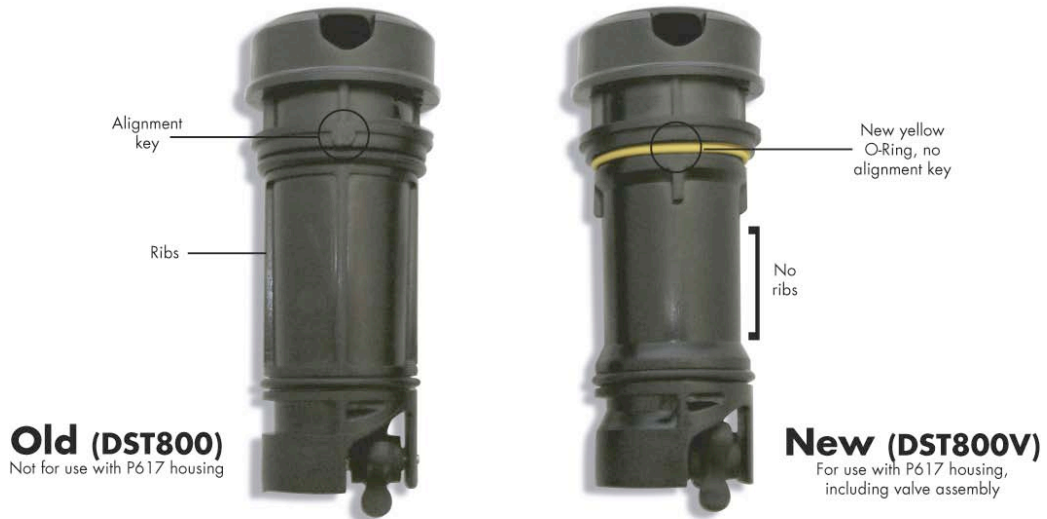
However, all DST800s manufactured after November 2005, do not have ribs or an alignment key on the insert. These can be retrofitted into existing installations that have a plastic P17, bronze B17 or stainless steel SS577 housing. To insure proper sealing when installing a DST800 in a P17, B17 or SS577 housing, the yellow O-ring at the top must be replaced with a black O-ring.

The photos below clearly illustrate the differences between the DST800 inserts with and without ribs and an alignment key.

If you have any questions regarding the new DST800, or any other Airmar products, please contact your Airmar Sales Account Manager.

### DST800 Insert

Captive locking nut removed to show alignment key



### New DST800V with P617 Housing

