

Transducers



SN0015
Through Hull
Mount



SN0031
Through Hull
Mount



SN2010
In - Hull
Mount



SN2011
Transom
Mount



SN2060A
Through Hull
Mount

Airmar Transducers

Faria Beede uses Airmar transducers with all our depth sounders because of their extreme reliability. Please see the note below regarding testing of a transducer directly from the Airmar customer support:

Note: A transducer's depthfinding function cannot be tested with a multimeter.

Most of the inquiries received regarding depth sounder function can be resolved by reviewing the installation instructions. Before considering that a part of the system is faulty, please review the Airmar and Faria Beede installation instructions and owner's manuals.

In order to properly trouble shoot your Depth Sounder you need to determine what type mount transducer you have. You will have one of the following:

In-hull mounted

Through hull mounted (hole drilled through the hull)

Transom mounted

Pre-checking your installation

Prior to permanently mounting the transducer there is a method that may be used to bench test or test a gauge and transducer on the boat.

- 1) Install the gauge according to the installation manual and connect it to the transducer.
- 2) With the gauge powered up, press a plastic bottle of water tightly up against the transducer face. You should see some kind of reading on the gauge.

If you do, then everything is set up correctly and you can complete the mounting of the transducer.

If you do not see any readings on the gauge, see below for possible causes and solutions.

Frequently Asked Questions

Problem:

Gauge shows what appears to be proper depth but the alarms often go off.

Advice:

Make sure the face of the transducer is clean, not painted over, and free of growing marine life.

Try setting the deep alarm to 0. The transducer may be going above its range, periodically causing the deep alarm to go off. Also check that the shallow alarm and keel offset are set properly.

Refer to IS0091 or IS0197 install sheet for setting and wiring details.

www.fariabeede.com/site_manuals/IS0091h.pdf

www.fariabeede.com/site_manuals/IS0197d.pdf

continued

Problem:

Depth gauge constantly reads 0.0, with an occasional reading that does not make sense for the depth of water you are in.

Advice:

This is what the gauge will read if it either loses connection with the transducer or if the transducer is not in contact with fluid. If you have an in hull transducer you can make sure the antifreeze or propylene glycol is still in the transducer reservoir.

Please refer to Airmar manual 17-217-01
www.airmar.com/uploads/InstallGuide/17-217-01.pdf .

If the fluid level checks out and/or if you have a thru hull or transom mount, then you should check the transducer to make sure the electrical connections to the transducer are good.

One way to check the connection is to place your ear or a stethoscope up to the transducer to see if you can hear it clicking or whining. If it is, that means the gauge is driving the transducer and the circuit returning the signal to the gauge is good. This indicates that the transducer connections are good.

Another method would be to try to tune in an AM radio until you hear the transducer clicking through your speakers. It occurs around 1180 on the AM dial but might take a little scanning to find it. If you do hear it, the transducer wire connections are good and the transducer is trying to function properly.

If all of the wiring checks out and the transducer is functioning, a gauge replacement is most likely what's needed. If you don't hear the transducer clicking, then the problem may be either the gauge or the transducer. There are no measurements that can be taken to determine which may be at fault so its best to replace the gauge and transducer as a set.

Problem:

The gauge seems to work properly but the readings seem very low.

Advice:

Make sure the units in the sounder gauge are set to Feet and not Fathoms. Refer to Instruction manual for the depth sounder gauge.

For replacement hardware and transducer component parts please use the link below:

www.gemeco.com/docs/Catalog_03_2019.pdf

For technical assistance, contact Faria Beede Instruments - Technical Support team between 8:30 AM and 5:30 PM Eastern time weekdays at (860) 848-9271 or (800) 473-2742.