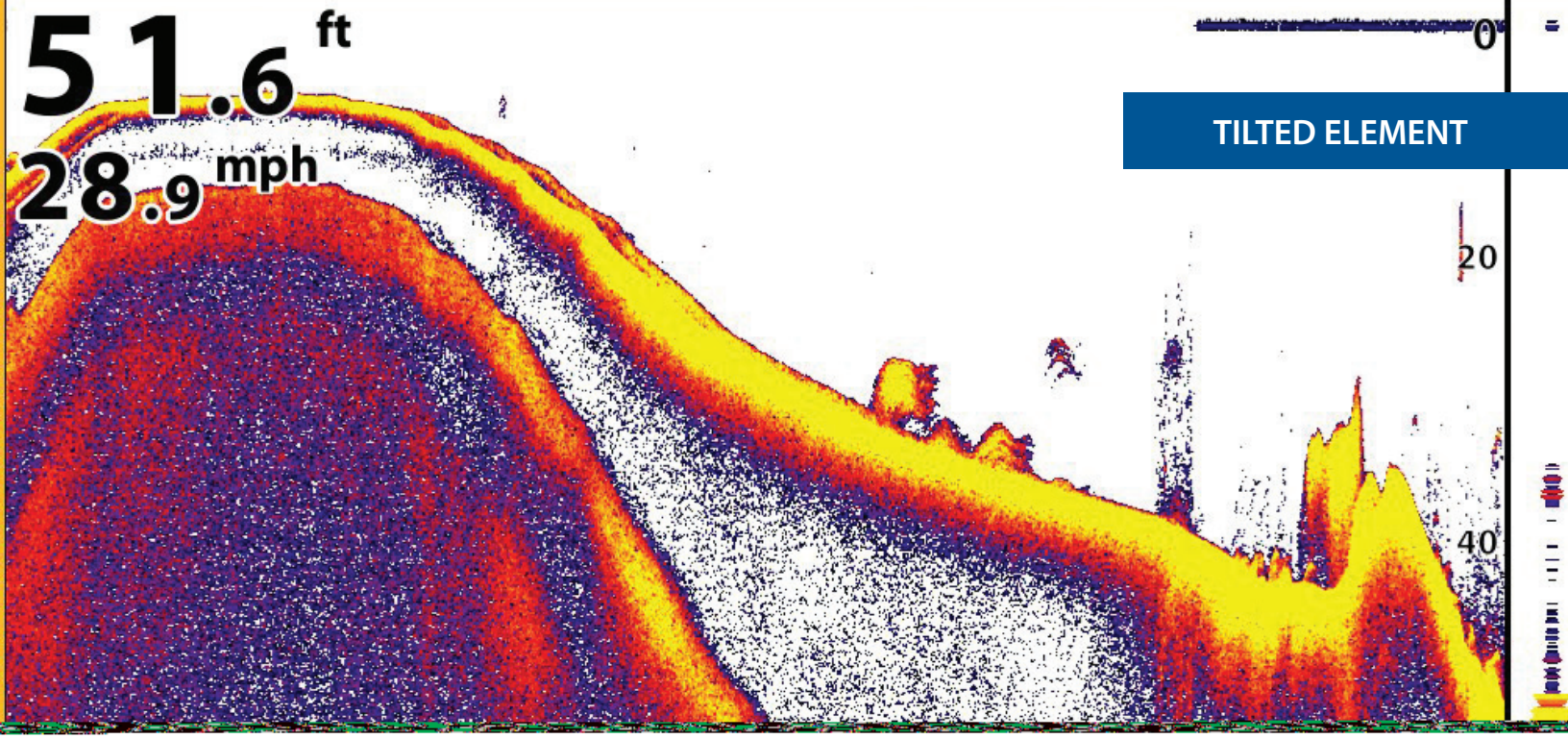


Tilted Element Chirp Transducers

Unlock the true potential of your fishfinder with the superior quality and performance of an AIRMAR Chirp-ready transducer.

B175HW screenshot courtesy of Humminbird

The Benefits of AIRMAR's Chirp-ready Transducers

- One broadband transducer covers up to 117 kHz of bandwidth – greater opportunities to detect fish in the water column
- Superior resolution – precise separation between baitfish and gamefish represented on the display with crisp images
- Enhanced bottom fishing – resolve targets close to the bottom or near structure/wrecks
- Amazing detail – recognize haloclines and thermoclines
- Improved signal to noise ratio – find fish and track bottom at high boat speeds

Benefits of Tilted Element Transducers

- Ceramic elements are tilted inside the housing to compensate for the hull deadrise, ensuring the beam is aimed straight down...maximizing echo returns and eliminating the need for a fairing
- Low profile design extends only 6mm below the hull and is available in stainless steel and bronze
- Perfect for trailered or lifted boats
- For hulls under 36 feet, performance closely compares to that of a fairing type installation

Flush/tilted transducers mount through a hole drilled in any fiberglass, metal or wooden hull, with the outside of the fitting flush against the exterior hull surface. Inside the fitting, the transducer's active elements are permanently tilted to 0, 12 or 20 degree angle to compensate for hull deadrise, ensuring the sonar beam is aimed straight down.

AIRMAR®, DEFINING CHIRP TECHNOLOGY.

AIRMAR® TECHNOLOGY CORPORATION

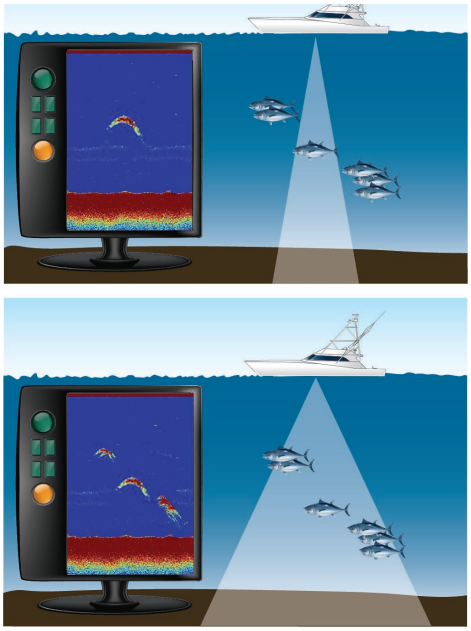
The Chirp Advantage

Traditional sounders operate at only two discrete frequencies – typically 50 kHz and 200 kHz. This results in limited depth range, resolution, and ultimately what targets can be detected in the water column.

In contrast, AIRMAR's game-changing Chirp-ready transducers provide over 70+ kHz of bandwidth. Transmitting over a wide frequency band results in a greater opportunity to detect what is in the water column. As a result, all targets detected in the entire bandwidth will be seen on the display–even those fish holding close to the bottom–ultimately improving target detection, detail, and range resolution.

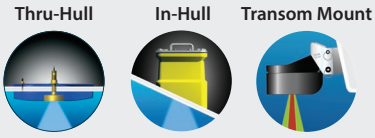
Most Chirp transducers vary their beam width as they sweep through their frequency range (low, medium, and high). At the lowest frequency the beam is the widest and it narrows as the frequency increases.

AIRMAR's new wide beam Chirp transducers are the exception to this rule and have a fixed beam width of either 25° or 40° across the frequency band. This translates into even more coverage under the boat, revealing more fish in the water column than ever before.



The fish must be in the beam to be represented on the display.

Additional Mounting Options



Choosing your mounting option depends on the design of the hull as well as the material it's manufactured with, the boats intended use, and the desired level of performance.

Need Help Choosing the Right Transducer?

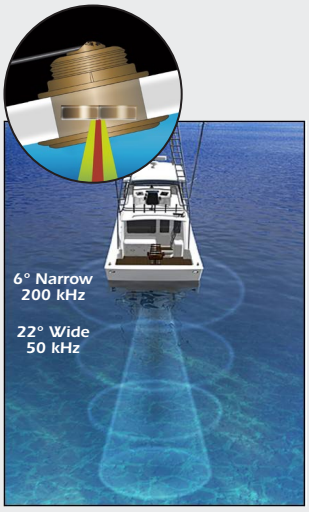
Download the free, award-winning **iNstall app**! It's a great tool that takes the guesswork out of selecting the right transducer for your application. Based on frequency, mounting, housing, and cable options, iNstall will reveal the available option(s) and give you instant access to their specifications. Designed for iPhone, iPad and iPod smart phones and tablets running iOS 6.1 and newer.

Download on the App Store

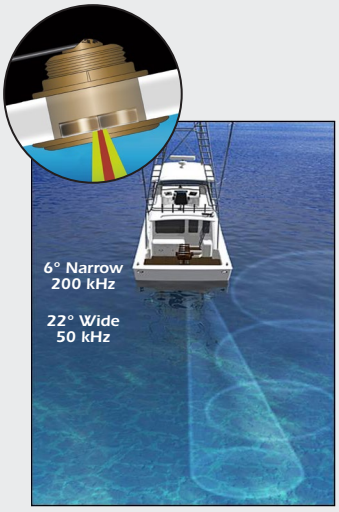
GET IT ON Google Play

iNstall

Proper Installation with Tilt Compensation



Improper Installation without Tilt Compensation



In a proper installation the ceramic element is tilted inside the housing, which compensates for your boats deadrise. This aims the beam straight toward the bottom, resulting in stronger echo returns and more accurate depth readings.

www.airmar.com

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Xducer ID CHIRP

broadband