

R199



Serious About Catching Fish?

Maximize the performance of any 1 kW or 2 kW echosounder with the R199 in-hull transducer. Designed with Airmar's exclusive Broadband Ceramic Technology, the 200 kHz ceramic provides excellent resolution without sacrificing sensitivity.

Spend More Time Fishing and Less Time Finding!

The R199 packs an 88 mm (3.5") broadband ceramic at 200 kHz, and 15-elements operating at 50 kHz—just like its externally mounted cousin, the R99. This transducer is so precise that fish are no longer concealed by their surroundings!

See Through the Hull

Since the R199 can "shoot through the hull", it delivers outstanding performance with all the advantages of an in-hull design—no hole in the boat or turbulence to the propeller. And because it's an in-hull, the R199 will read clearly at high speeds. At 30 plus knots (34 plus MPH), this transducer tracks the bottom with ease.

In-Hull 2 kW HD Digital

Fishing Applications

- Blue-water bill fish and pelagic trolling
- Deep-dropping with electric reels past the continental shelf
- Commercial fishing

Features

- A top in-hull performer in Airmar's professional line of fishfinder transducers for vessels 9 m (30') and up
- Depth only
- Super low ringing for accurate discrimination between closely spaced targets
- Recommended for solid fiberglass hulls
- Non-toxic anti-freeze (propylene glycol) is used to fill the tank
- Super low ringing for accurate discrimination between closely spaced targets
- Fiberglass resin is used to adhere tank to the hull



Sensing Technology

www.airmar.com



Technical Information

50 kHz-AFlq / 200 kHz-BFlq

Number of Elements and Configuration		
Beamwidth (@ -3 dB)	8° x 17°	5°
RMS Power (W)	2 kW	2 kW
TVR	167 dB	177 dB
RVR	-174 dB	-182 dB
FOM*	-9 dB	-6 dB
Q	3	2
Impedance	100 Ω	100 Ω

*Does not calculate losses through the hull.

MAXIMUM DEPTH RANGE

50 kHz	200 kHz
735 m to 1,176 m (2,500' to 4,000')	235 m to 353 m (800' to 1,200')

BEAM DIAMETER VS DEPTH

DEPTH	50 kHz	200 kHz
30 m (100')	4 m x 9 m (14' x 30')	2.7 m (9')
122 m (400')	17 m x 36 m (56' x 120')	11 m (35')
245 m (800')	34 m x 73 m (112' x 240')	21 m (70')
305 m (1,000')	43 m x 91 m (140' x 300')	27 m (88')

TRANSDUCER COMPARISON

Model	Power	Rating	Performance Increase
P79	600 W	Good	Benchmark model for comparison
M260	1 kW	Best	50 times more sensitive at 50 kHz 13 times more sensitive at 200 kHz
R199	2 kW	Superb	200 times more sensitive at 50 kHz 32 times more sensitive at 200 kHz
R299 R399	3 kW	Ultimate	400 times more sensitive at 50 kHz 32 times more sensitive at 200 kHz

SPECIFICATIONS

Weight: 19.7 kg (43.4 lb)

Hull Deadrise: 0° to 22°

Acoustic Window: Epoxy/urethane

All mounting hardware provided, including tank

DIMENSIONS

