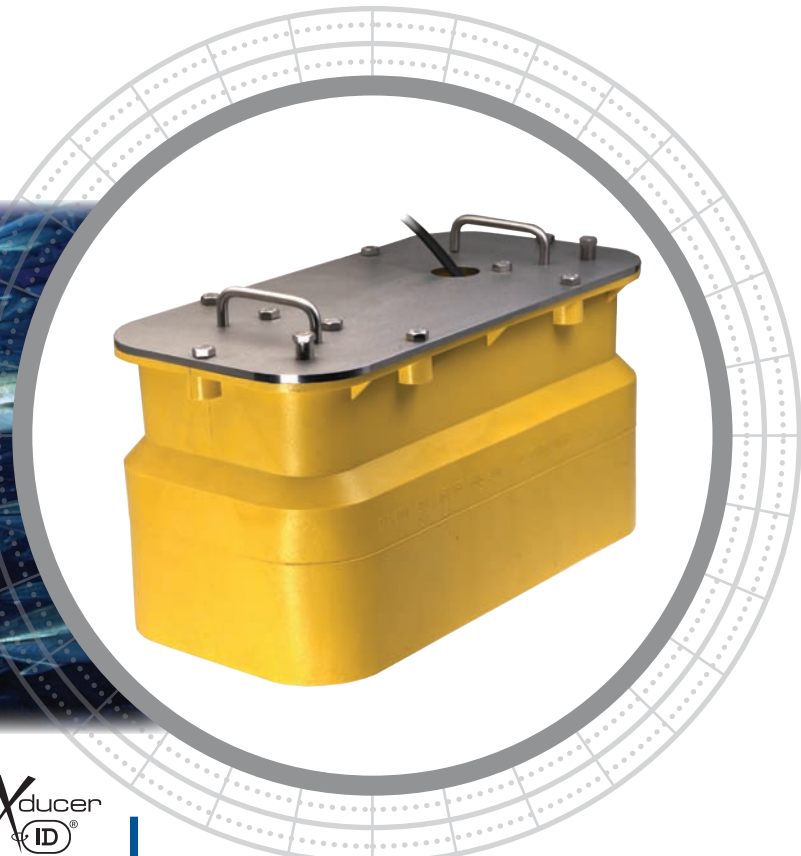


# R199



## Serious About Catching Fish?

Maximize the performance of any 1 kW or 2 kW echosounder with the R199 in-hull transducer. The R199 is designed with a 200 kHz ceramic element, which provides excellent resolution without sacrificing sensitivity.

## Spend More Time Fishing and Less Time Finding!

The R199 packs an 88 mm (3.5") 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

### 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*



## Technical Information

### 50 kHz-AFlq / 200 kHz-BFlq

<b>Number of Elements and Configuration</b>		
<b>Beamwidth (@ -3 dB)</b>	8° x 17°	5°
<b>RMS Power (W)</b>	2 kW	2 kW
<b>TVR</b>	167 dB	177 dB
<b>RVR</b>	-174 dB	-182 dB
<b>FOM*</b>	-9 dB	-6 dB
<b>Q</b>	3	2
<b>Impedance</b>	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
<b>R199</b>	<b>2 kW</b>	<b>Superb</b>	<b>200 times more sensitive at 50 kHz</b> <b>32 times more sensitive at 200 kHz</b>
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

