

New • IN-HULL MOUNT • Adjustable

P79 Adjustable

120 kHz, 200 kHz, 235 kHz, 50/200 kHz Dual Frequency

Patent Pending

- Easily adjusts to any deadrise angle up to 22°
- Transmits sound waves directly at the bottom so strong echoes are reflected back to the transducer
- Can be removed in seconds for servicing or storage
- Only the base piece is bonded to the hull. There is no adhesive layer under the transducer face to absorb sound energy
- Simplifies in-hull installation



Specifications

- Excellent high-speed performance to 60+ knots (69+ MPH) when mounted well aft
- No thru-hull penetration
- Housing material is a chemically resistant, high impact, plastic alloy
- Design has shielded piezoceramic element for noise free echo sounder display
- Superior acoustic sensitivity when using large PZT piezoceramics
- Standard Cable length: 1m (3.4') pigtail with in-line connector off of transducer; 6 m (22') extension cable
- Weight: .9 kg (2 lb.)

Options

- Epoxy kit #33-156
- Protective base cap, which is especially useful for boat builders

Applications

- Fiberglass hulls
- Not suitable for wood hulls
- Planing hull powerboats
- Aluminum hulls less than 1/8" thick

PERFORMANCE DATA					
Frequency ¹ – Airmar Piezoceramic Designator ²	120 kHz – C	200 kHz – G	235 kHz – D	50/200 kHz – A	
Element Material ³ /Diameter (mm)	PZT/51	BT/51	BT/51	PZT/44	
Beam Width at –3 dB	12°	8°	7°	45°	11°
Q (fr/Δ f @ –3 dB) ⁴	11	34	16	24	30
Rated RMS Power (W)	600	600	600	600	600
Voltage Responses: Transmit/Receive ⁵ (dB)	162/–179	167/–183	169/–185	153/–173	164/–182
Figure of Merit (Insertion Loss) ⁶ (dB)	–19	–17	–16	–33	–20
Unbalanced Impedance ⁷ : Resistance, Rp (ohm) Capacitance, Cp (pF)	350	320	370	250	350
	2,460	2,710	2,440	3,870	1,900
Series Impedance [R – jX] ⁸ (ohm)	250 – j160	150 – j160	130 – j180	230 – j170	210 – j170
Acoustic Window Material	LPE ¹³	LPU ¹³	LPU ¹³	LPU ¹³	

Note: See page m 1 for footnotes.

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The P79 Adjustable In-hull Transducer Makes Installation Exceptionally Easy

Installation steps:

- Select a location to install the transducer
- Measure the deadrise angle. Draw a line perpendicular to the keel at the center of your mounting location.
- There are numbers on the lip of the base that represent deadrise angles. Find the numbers on the base that represent your deadrise angle. Align these marks with the guideline drawn on the hull.
- Adhere the base to the hull using an adhesive that will form a liquid-tight seal.
- Slide the transducer into the locking ring and rotate until the angle indicator aligns with the measured deadrise angle.
- Use two screws (included in the mounting kit) to fasten them together.
- Lubricate the o-ring and slide it onto the transducer assembly.
- Add liquid to the base. We are recommending mineral oil be used.
- Place the transducer into the base and turn until firmly seated

