

Preliminary

M563



Dual-Band

This version of Airmar's M563 offers excellent sensitivity and Broadband Performance throughout low and high-frequency bands. This performance allows crisp waveforms at discrete frequencies or allows Broadband CHIRP or coded waveforms.

Options

- Impedance to customer specifications using matching transformer
- Available with low-band 25 kHz to 45 kHz and high-band options of either 80 kHz to 130 kHz, 130 kHz to 210 kHz, or 160 kHz to 260 kHz

External-Mount Dual-Band

Applications

- Commercial Fishing
- Shallow and coastal survey

Features

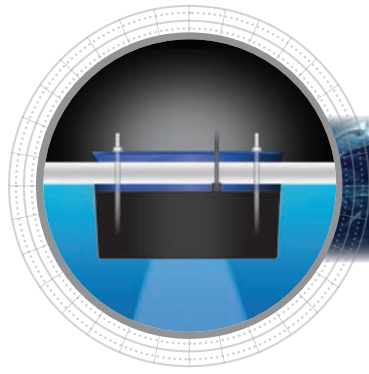
- Two broadband arrays minimize ringing and allow sharp, crisp acoustic pulses and excellent clarity
- Narrow beams and low sidelobes provide clear bottom detail
- Matching transformers provide pure, resistive load
- Can be mounted on a towed body, directly to a wood, steel, or fiberglass hull (can also be mounted as an in-hull in a fiberglass hull for precise echosounding)
- Streamlined shape minimizes drag
- CHIRP-ready
- Seamless, SEALCAST™, urethane housing for long life underwater
- Exclusive Transducer ID™ technology
- High precision temperature probe



Sensing Technology



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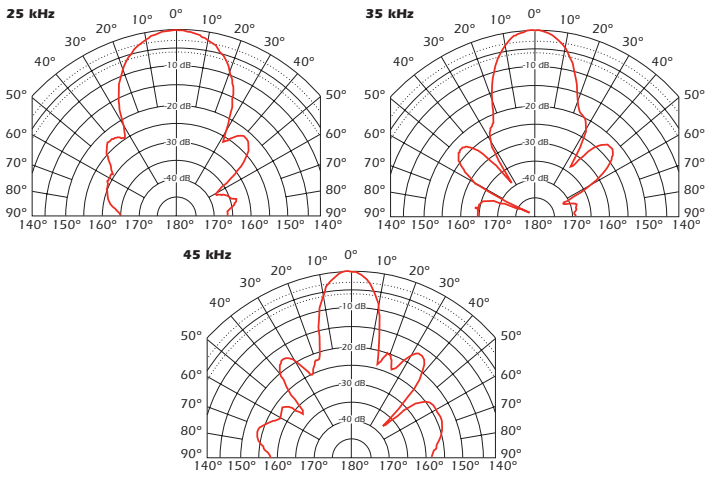
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Technical Information

Frequencies	Configuration	Beamwidth (@-3 dB)	RMS Power (W)	FOM (dB)	Q
25 kHz - 45 kHz-B		24° @ 25 kHz 19° @ 35 kHz 14° @ 45 kHz	1 kW	-10dB	2
80 kHz - 130 kHz-B		13° @ 80 kHz 10° @ 100 kHz 8° @ 130 kHz	2 kW	-10dB	2
130 kHz - 210 kHz-B		8° @ 130 kHz 5° @ 170 kHz 4° @ 210 kHz	2 kW	-5dB	2
200 kHz - BFIq		5° @ 160 kHz 4° @ 200 kHz 4° @ 260 kHz	2 kW	-5dB	2

Directivity Pattern—25-45 kHz-B



SPECIFICATIONS

Weight: 10 kg (22 lb)

Acoustic Window: Urethane

Housing Material: Cast urethane

Cable Type: C-44-02
Three shielded twisted pair (two 2-18 AWG and one 2-22 AWG) with foil and braided shield overall, black TPR jacket, 11 mm (7/16") diameter

DIMENSIONS

238mm [9.38"]

102mm [4.02"]

2X THREADED STAINLESS STEEL INSERTS 3/8-16 X 3/4"

140mm [5.52"]

314mm [12.37"]

149mm [5.87"]

121mm [4.75"]