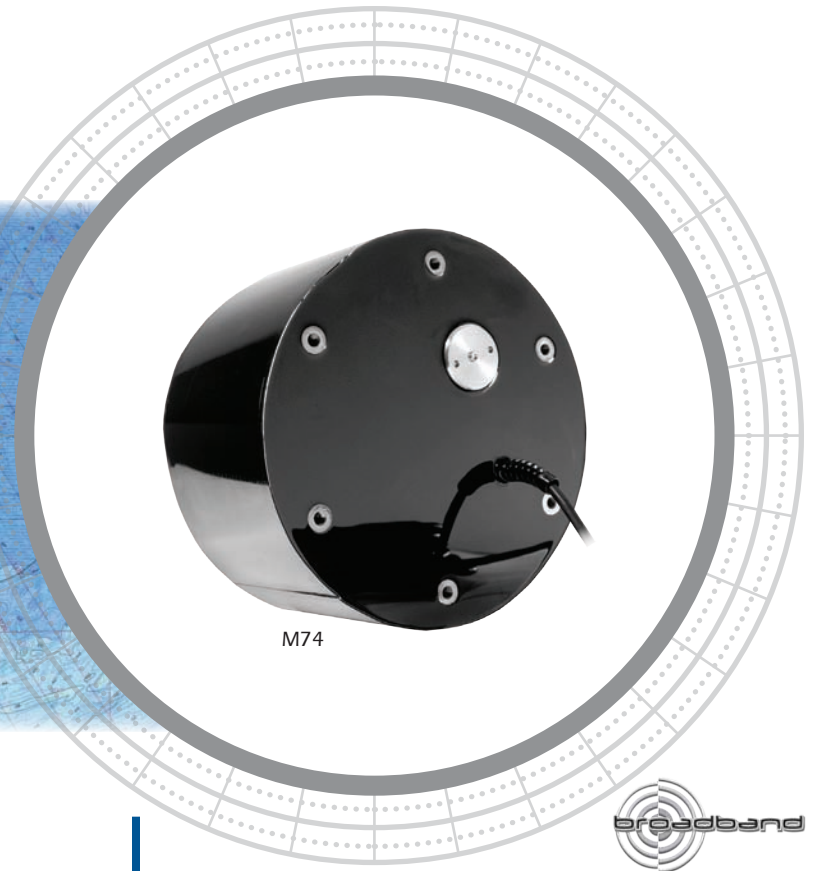
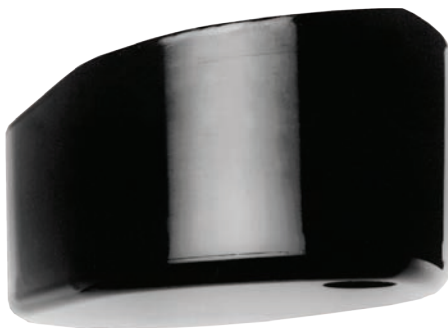


Broadband Transducers



The Broadband Advantage

Aimar's commitment to innovative technology continues with broadband transducers with low Q and very good sensitivity. This enables users to perform accurate surveys with higher resolution. These transducers can also be "chirped" with a longer pulse over a wide-frequency band. Users with adjustable frequency echosounders will be able to regulate the operating frequency and tailor the beam width to specific survey conditions. Best of all, these remarkable transducers are competitively priced when compared with similar performing transducers constructed with 1-3 piezocomposite.



M42

Low-Frequency

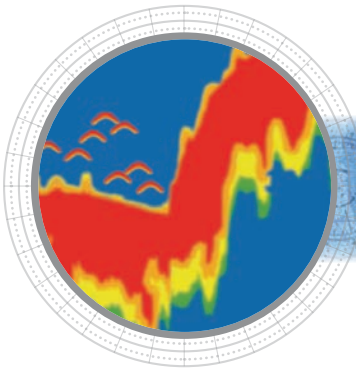
Applications

- Ocean survey
- Sub-bottom profiling
- Scientific research
- Commercial
- Military

Features

- Broadband with low Q
- Sidelobes minimized
- Energy concentrated on target means excellent resolution
- Internal transformer provides impedance match to echosounder for optimal system performance
- Multiple frequencies to choose from
- Many standard designs or designed to your specifications

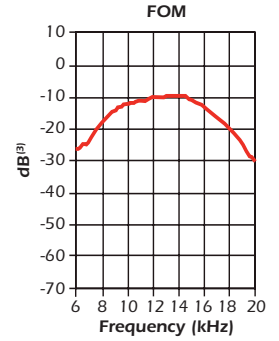
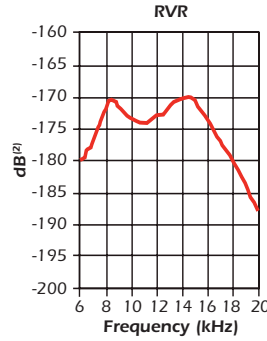
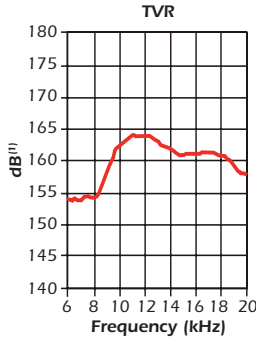
Broadband Transducers



Technical Information

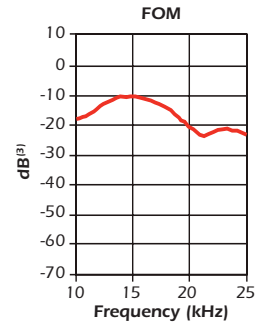
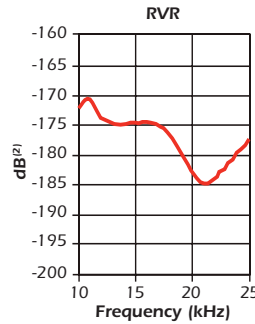
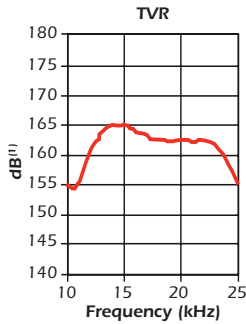
9 kHz to 18 kHz

Array: ϕ 2.5" x 13
 $Q_t = 2.2$
 Nominal Impedance: 80 Ω (transformed)



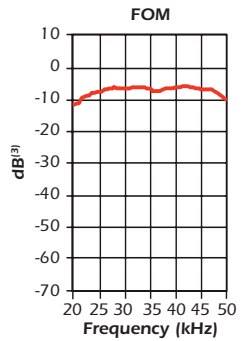
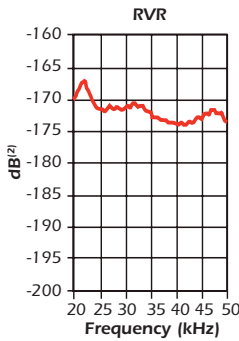
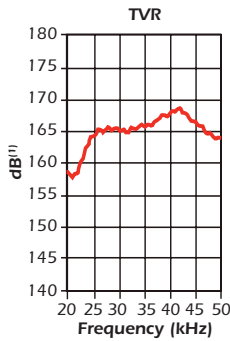
13 kHz to 22 kHz

Array: ϕ 2.5" x 13
 $Q_t = 1.7$
 Nominal Impedance: 80 Ω (transformed)



25 kHz to 45 kHz

Array: ϕ 1.75" x 15
 $Q_t = 2.3$
 Nominal Impedance: 170 Ω (transformed)



33 kHz to 60 kHz

Array: ϕ 1.38" x 24
 $Q_t = 2.0$
 Nominal Impedance: 145 Ω (not transformed)

