

HM Hydrophones

The HM Series membrane hydrophones are designed for measuring pulsed ultrasound fields. Their extremely flat sensitivity results in the best reproduction of acoustic waveforms. Version A is the traditional hydrophone configuration, and a more rugged version B prevents membrane vibration during scanning motion. Version A is recommended for high power ultrasound work, where the absorption of energy by the backing could result in damage to the hydrophone. Both types are excellent choices as in-house primary or secondary standard, and for general purpose field mapping.

Features

- Rugged
- High Sensitivity
- Broadband
- Sealed design
- Integral preamplifier
- Choice of aperture sizes

Models

- HMA — free membrane
- HMB — backed membrane

Technical Specifications

	HMA-0200	HMA-0500	HMB-0200	HMB-0500
Frequency range ($\pm 3\text{dB}$)	0.5 to 45 MHz			
* Nominal Sensitivity [nV/Pa]	140	350	140	350
Output Impedance	50 Ω			
Max. Operating Temperature	40 $^{\circ}\text{C}$			

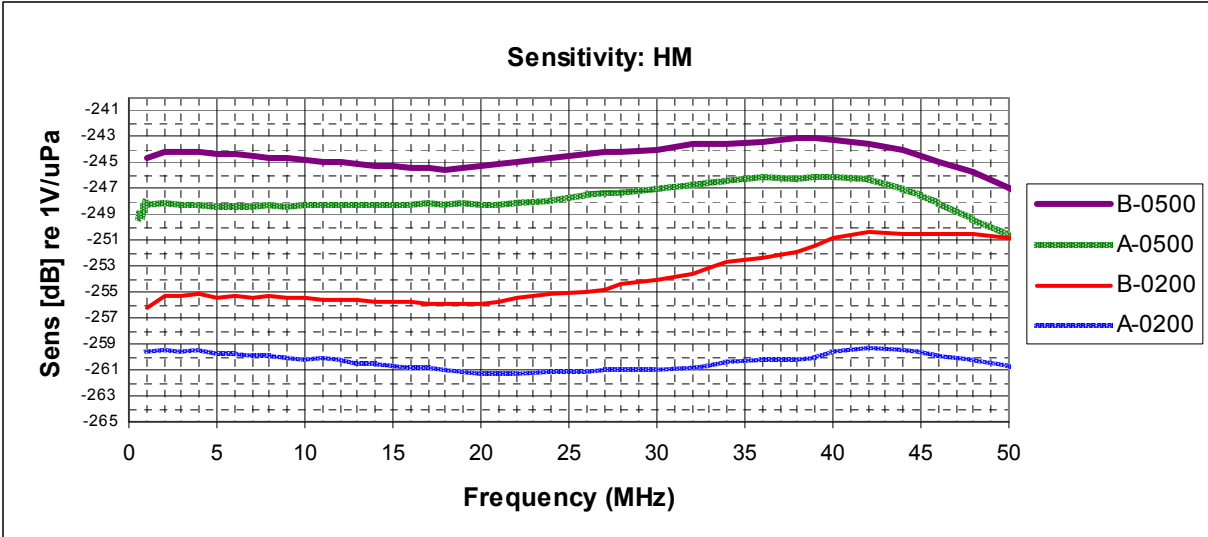
* Provided with traceable calibration 1-20 MHz at 50 KHz intervals. For other calibrations available visit our web site.

Specifications are subject to change without notice.

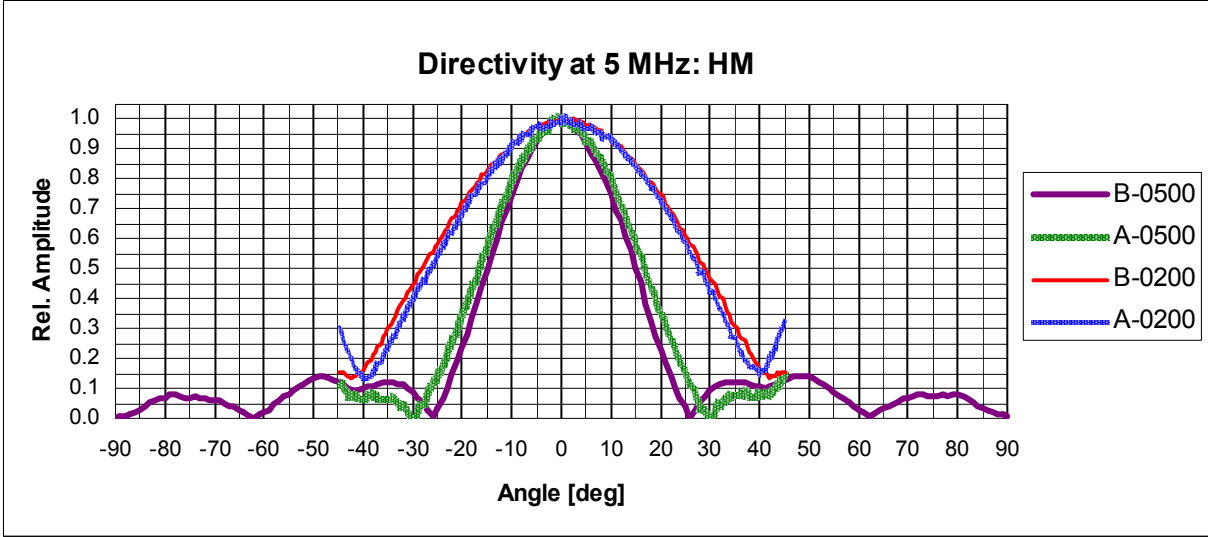


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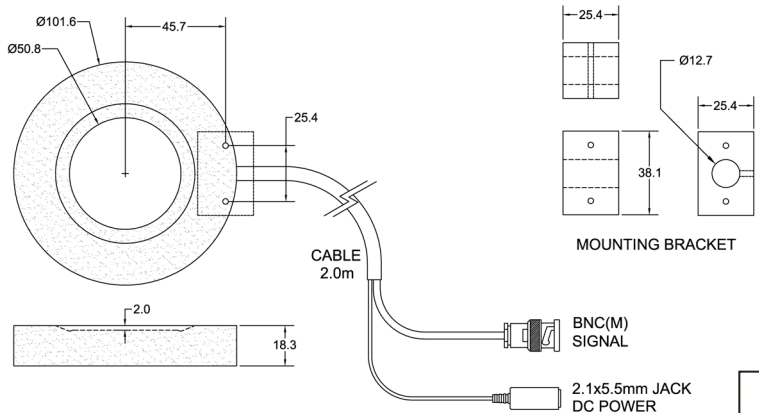
Typical Sensitivity Plot



Typical Directivity Plot



Mechanical Specifications



Universal Power Supply Included