HNR Hydrophones

The HNR Series needle hydrophones are excellent sensors for laboratory use in high intensity ultrasonic field mapping, with pinpoint access and good spatial resolution. Due to their high sensitivity these hydrophones are commonly operated without amplification.

HNR Hydrophone

Features

- Small size
- High sensitivity
- Rugged
- Low cost

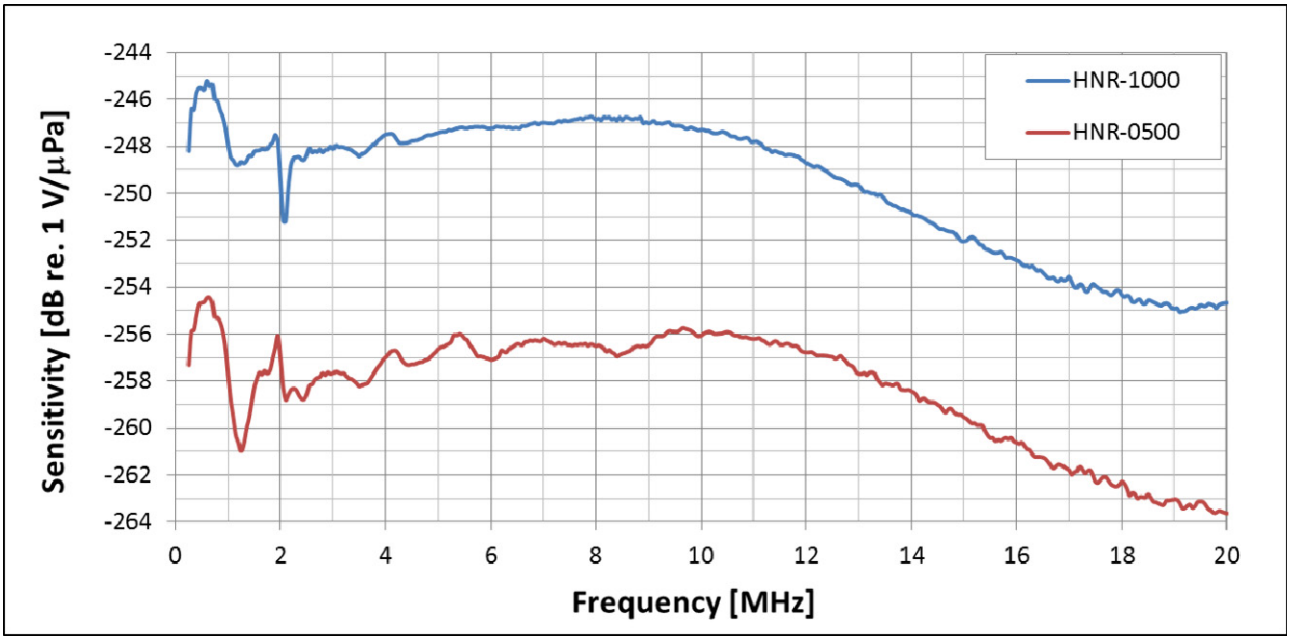
Technical Specifications

	HNR-0500	HNR-1000
Frequency range (±6dB)	0.25 - 10 MHz	
*** EOC Nominal Sensitivity [dB re 1V/µPa]**	-258	-248
*** EOC Nominal Sensitivity [nV/Pa]**	126	398
Acceptance angle (-6dB at 5 MHz)	30º	15º
Capacitance	200 pF	
Max. Operating Temperature	50ºC	

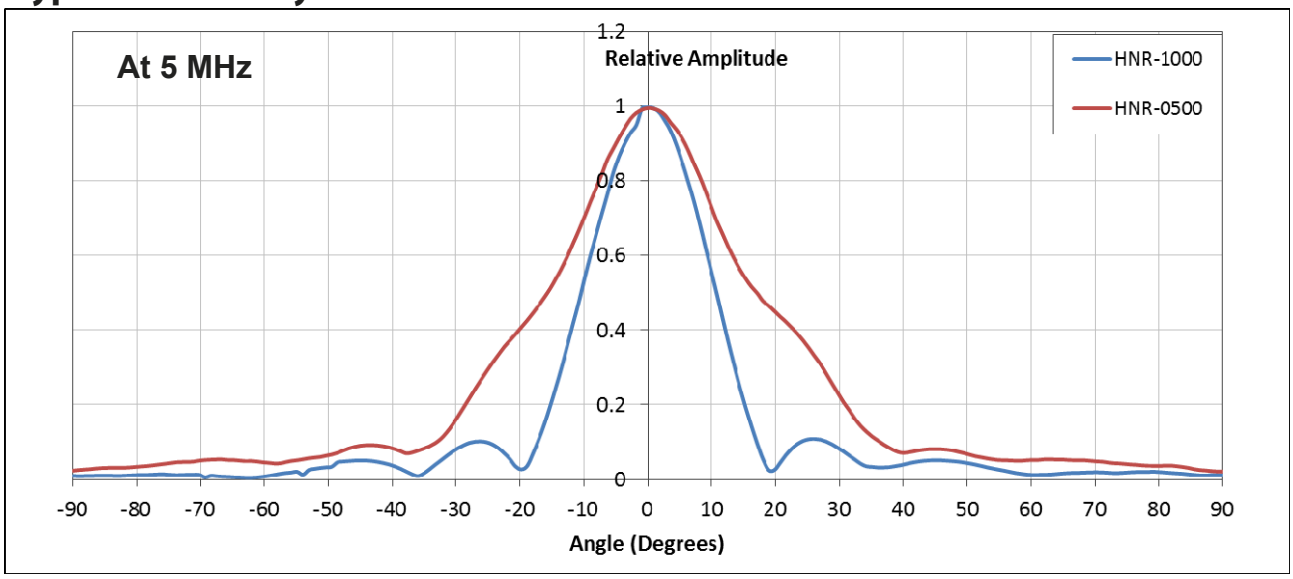
* EOC ("end of cable") is the open-circuit output sensitivity of the hydrophone. Calibration with an amplifier can be determined from the gain and input impedance of the amplifier.

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

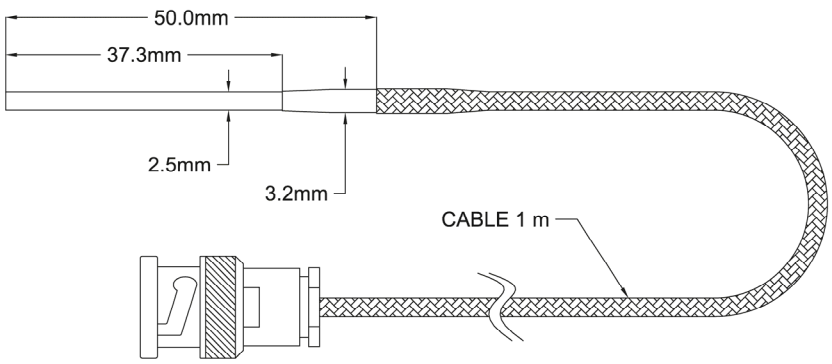
Typical Sensitivity Plot



Typical Directivity Plot



Mechanical Specifications



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