

HNP Hydrophones

The HNP Series needle hydrophones are excellent sensors for laboratory use in ultrasonic field mapping, with pinpoint access and good spatial resolution. While they have lower sensitivity than the HNC series, these hydrophones have a flatter sensitivity and better directivity.

Features

- Small size
- Broadband
- Range of apertures available
- Very stable
- Low cost

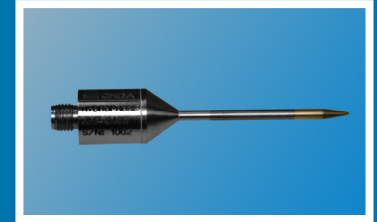
Technical Specifications

	HNP-0200	HNP-0400	HNP-1000
Frequency range ($\pm 6\text{dB}$)	1 - 20 MHz		
* EOC Nominal Sensitivity [dB re 1V/μPa]	-278	-266	-249
* EOC Nominal Sensitivity [nV/Pa]	13	50	355
Acceptance angle (-6dB at 5 MHz)	110°	60°	25°
Capacitance	70 pF		
Max. Operating Temperature	50°C		

* 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.

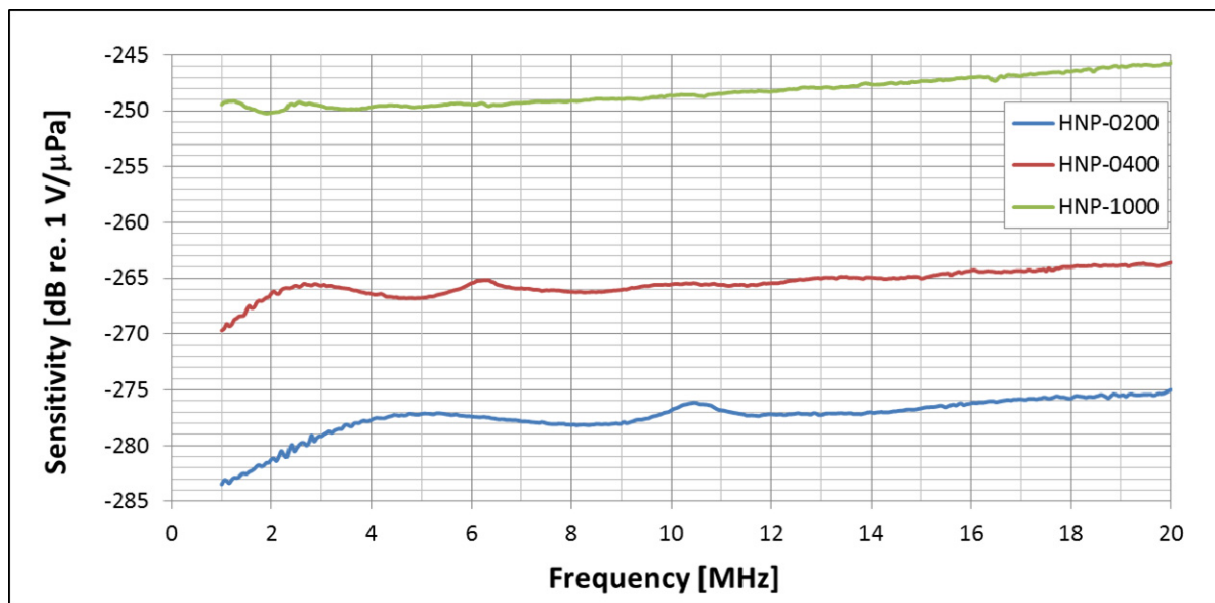
Provided with traceable calibration 1-20 MHz at 50 KHz intervals. For other calibrations available visit our web site.

Specifications are subject to change without notice.

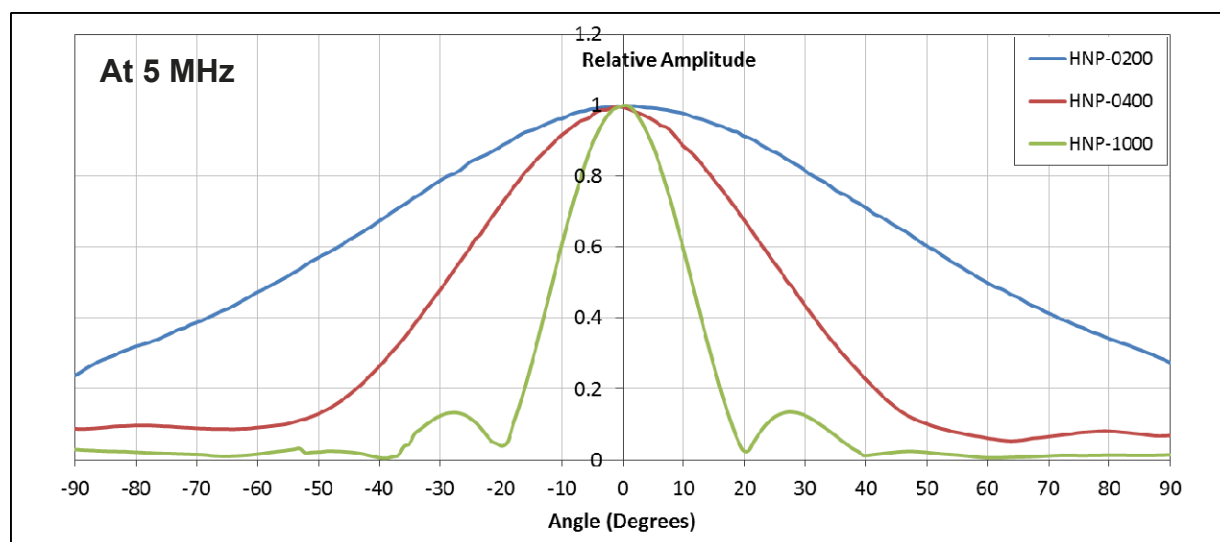


HNP Hydrophone

Typical Sensitivity Plot



Typical Directivity Plot



Mechanical Specifications

