



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.

Features

- Small size
- High sensitivity
- Rugged
- Low cost

Technical Specifications

| | HNR-0500 | HNR-1000 |
|--|---------------|----------|
| Frequency range ($\pm 6\text{dB}$) | 0.25 - 10 MHz | |
| * EOC Nominal Sensitivity [nV/Pa] | 250 | 450 |
| Acceptance angle (-6dB at 5 MHz) | 30° | 15° |
| Capacitance | 200 pF | |
| Max. Operating Temperature | 50°C | |

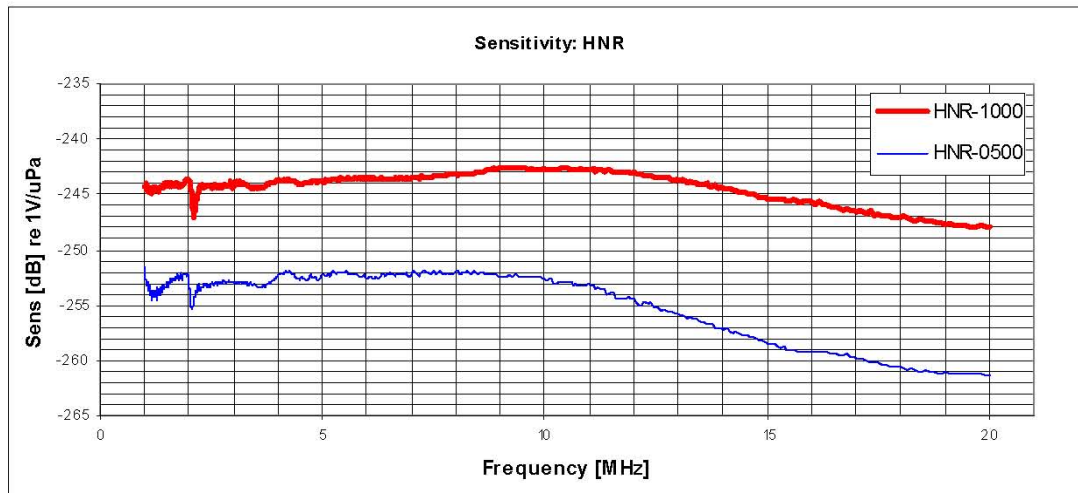
* EOC ("end of cable") is the open-circuit output sensitivity of the hydrophone. Calibration with an amplifier can be determined from the gain and input impedance of the amplifier.

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



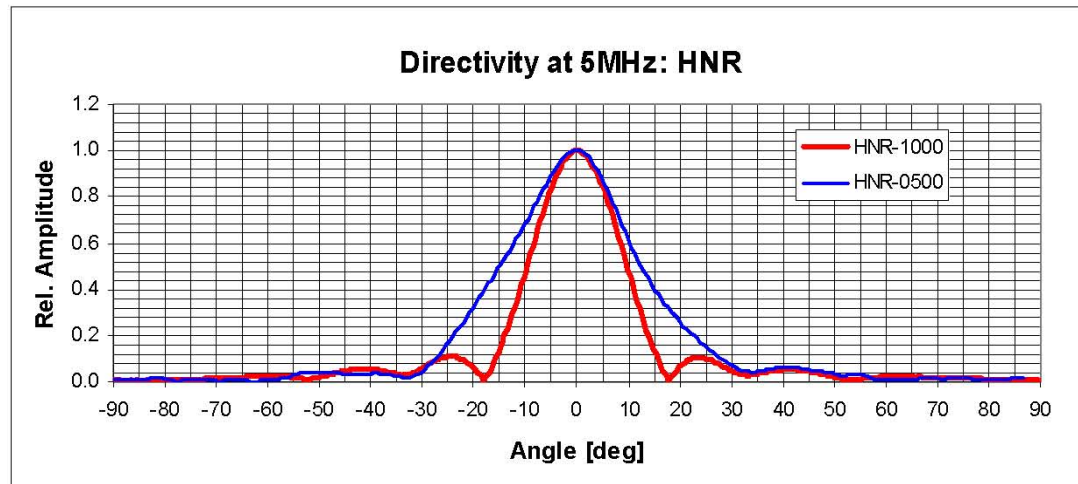
HNR Hydrophone

Typical Sensitivity Plot

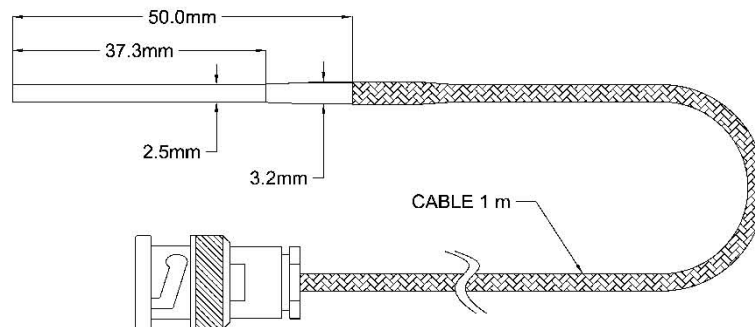


Note that intrinsic to this design is a resonance (notch) at 2 MHz typical, whose amplitude may vary.

Typical Directivity Plot



Mechanical Specifications



592 Weddell Drive, Suite 7, Sunnyvale, CA 94089, USA | Tel: 408.745.0383 | Fax: 408.745.0956 | www.ondacorp.com

取扱店:



ゼネレクス GENEREX
 有限会社 エヴィック産業
 211-0016 川崎市中原区市ノ坪 107
 Tel 044-712-6770 Fax 044-411-2855
 E-Mail: s-mikami@generex.co.jp
<http://www.generex.co.jp>