

## AH-2020 Preamplifier

The AH-2020 Preamplifier is the ultimate combination of performance and features. This preamplifier has two gain settings, selectable at the oscilloscope by either a switch or a TTL signal. Designed as an electronic and mechanical match for Onda hydrophones, the AH-2020 has only one coaxial cable going to the oscilloscope. It has a superb frequency response, low noise and high stability, which make it ideal for ultrasonic acoustic intensity measurements.

### Features

- Dual Gain for >75dB dynamic range
- Flat frequency response
- Fully immersible
- Only one cable in the tank
- Waterproof mating to Onda hydrophones
- Compatible with any hydrophone
- Overload protection

### Available in two different bandwidths:

- **AH-2020-025**            50 KHz - 25 MHz
- **AH-2020-100**        50 KHz - 100 MHz

### Technical Specifications

- Voltage Gain: Hand or TTL switchable 0 or 20 dB
- Input Impedance: 1 M $\Omega$  in parallel with 8 pF
- Output Impedance: 50  $\Omega$
- Max Output into 50  $\Omega$ : 1.2 Vpp
- Power Consumption: preamp 0.6 W, total 2 W

A Precision Gain and Input Capacitance calibration certificate is provided with each device.

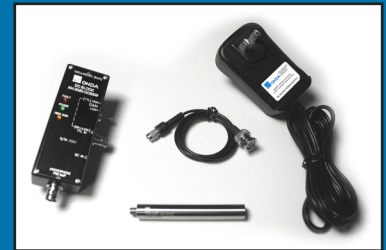
Specifications are subject to change without notice.



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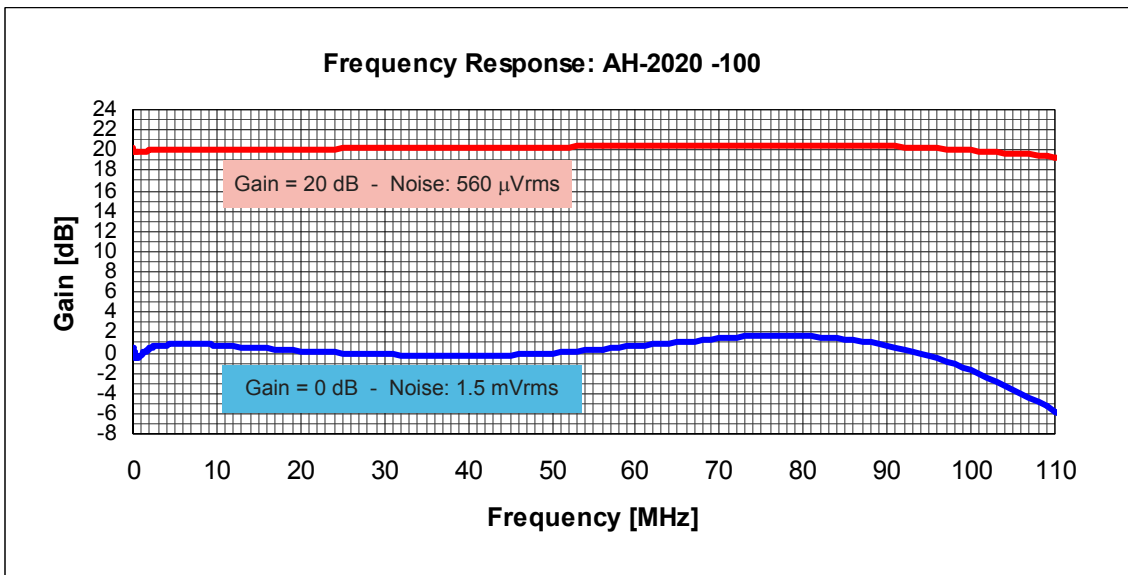
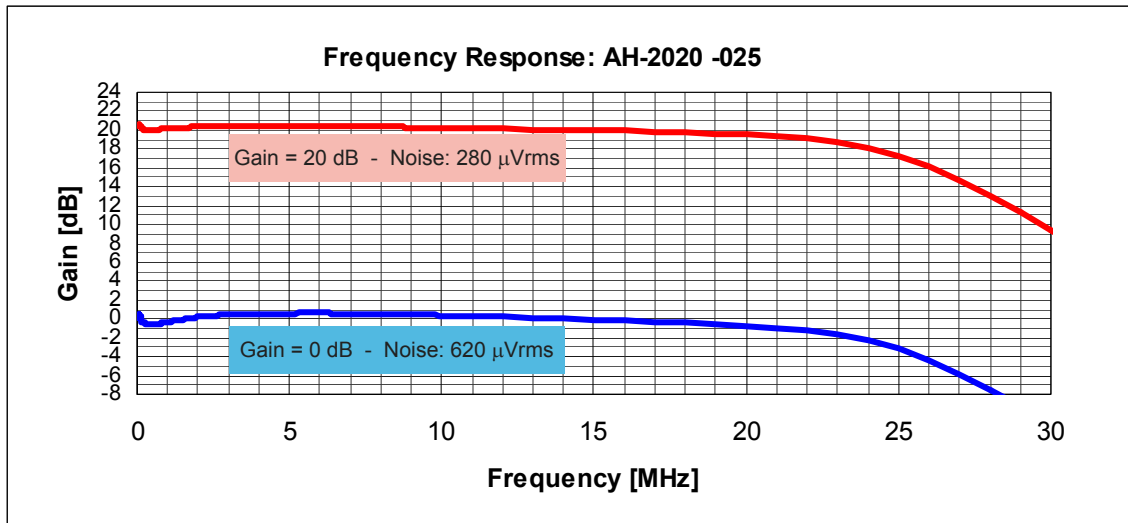


AH-2020 preamplifier with HGL hydrophone



Amplifier is supplied in a kit with Universal Power Supply, DC Block, 1m coaxial cable and calibration certificate.

## Typical Gain Plots



## Mechanical Specifications

Weight: 36 g  
Material: Hermetically sealed stainless steel body.

