

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 Ω in parallel with 8 pF
- Output Impedance: 50 Ω
- Max Output into 50 Ω : 1.2 Vpp
- Power Consumption (max): 2.5 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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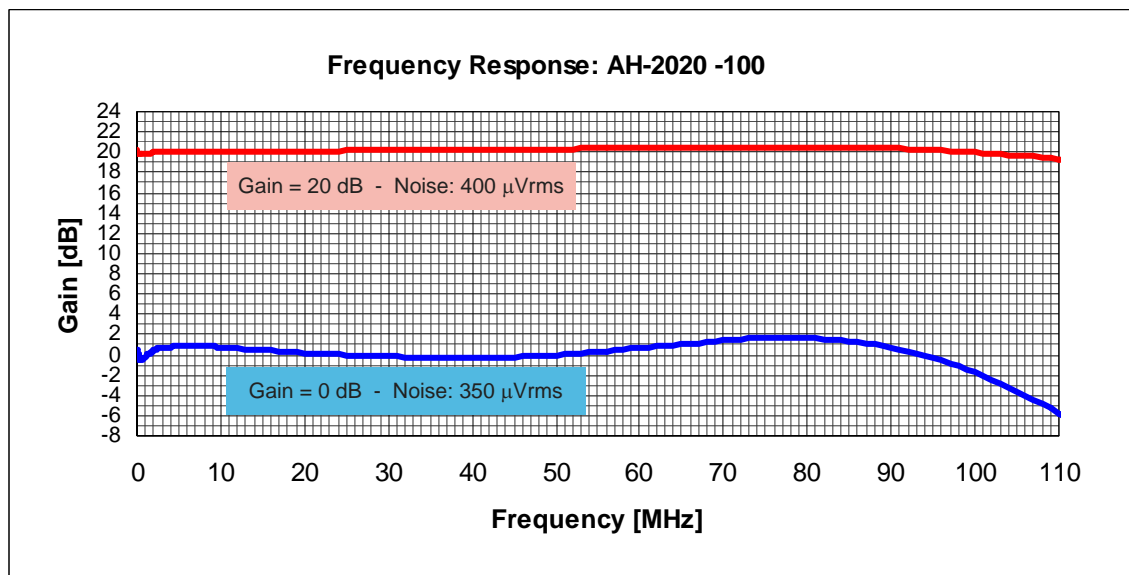
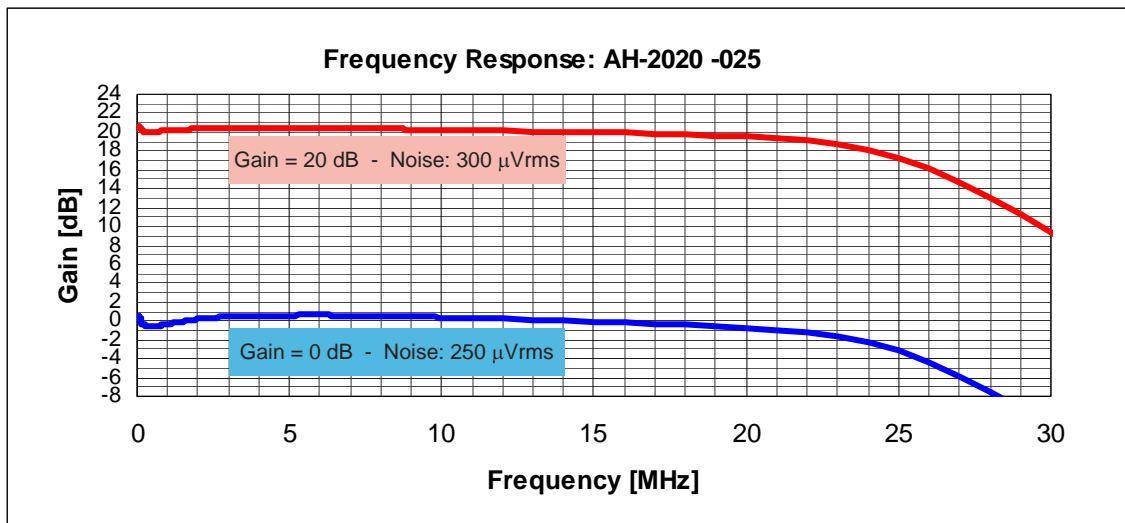


AH-2020 preamplifier with HGL hydrophone



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.

