

## AH-2010 Preamplifier

The AH-2010 Preamplifier is a great combination of performance and features. Designed as an electronic and mechanical match for Onda hydrophones, the AH-2010 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

- Flat frequency response
- Low noise - up to 78 dB dynamic range
- Fully immersible
- Only one cable in the tank
- Waterproof mating to Onda hydrophones
- Compatible with any hydrophone

### Available in two different bandwidths:

- **AH-2010-025**            50 KHz - 25 MHz
- **AH-2010-100**         50 KHz - 100 MHz

### Technical Specifications

- Voltage Gain: 20 dB
- Input Impedance: 1 M $\Omega$  in parallel with 7 pF
- Output Impedance: 50  $\Omega$
- Max Output into 50  $\Omega$  : 4 Vpp below 50 MHz, 1 Vpp above 50 MHz
- 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.



AH-2010 Preamplifier

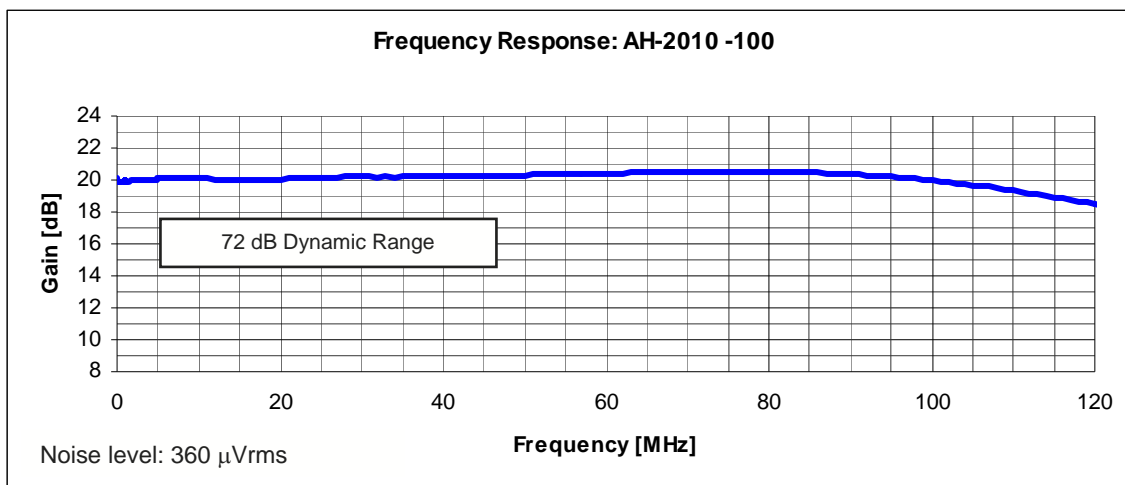
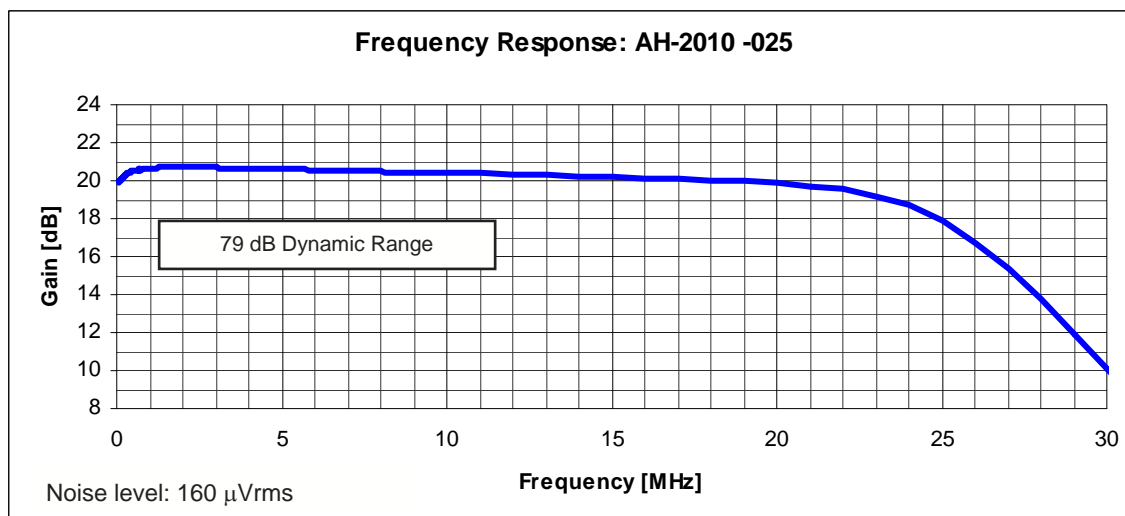


AH-2010 preamplifier with HGL hydrophone



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.

