

## AG-2010 Preamplifier

The AG-2010 preamplifier offers a similar mix of performance and features as the AH-2010 preamplifier, except that the gain is designed to compensate for frequency variation observed in the HGL-0200 and HGL-0085 hydrophones between 20 and 40 MHz. The combined solution enables the flattest response with a sensitivity that varies less than +/- 3 dB from 0.25 to 40 MHz, which is desirable for accurate measurement of typical pulsed diagnostic ultrasound systems.

### Features

- Designed to electronically match the HGL-0200 and HGL-0085
- Flat frequency response when combined with the HGL
- Low noise for > 78 dB dynamic range
- Fully submersible
- Only one cable in the tank
- Waterproof mating to Onda hydrophones
- Overload protection

### Technical Specifications

- Voltage Gain: 20 dB
- Bandwidth: 50 kHz - 60 MHz
- 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 (max): 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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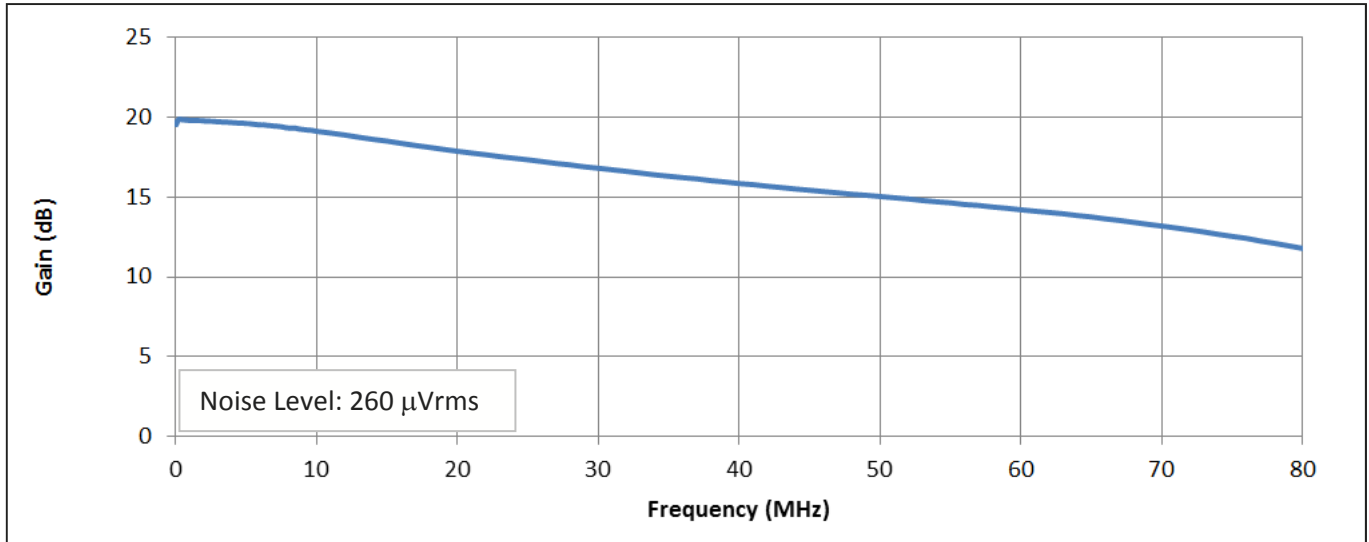


AG-2010 preamplifier with HGL-0200 hydrophone



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.

