



Putting Confidence in Ultrasound

## AH-1100 Preamplifier

The AH-1100 Preamplifier is the next generation after the legendary workhorse in the ultrasound measurement laboratory, the AH-17dB. This new low noise design has even flatter response than its predecessor and high reliability SMA connectors to maintain its place as the best all-around amplifier for any ultrasound acoustic intensity measurement.

### Features

- Low cost
- Flat frequency response
- Reliable
- High dynamic range (> 80 dB)

### Technical Specifications

- Voltage Gain:  $20 \pm 1$  dB into  $50 \Omega$  from 5 KHz to 25 MHz
- Input Impedance:  $10 M\Omega$  in parallel with 7 pF
- Max Output into  $50 \Omega$ : 4 Vpp
- Power Consumption: 0.7 W

\* This amplifier is not submersible, a waterproof cable is needed to connect to the hydrophone. The cable length affects the overall gain and hence the calibration of your hydrophone

Specifications are subject to change without notice.

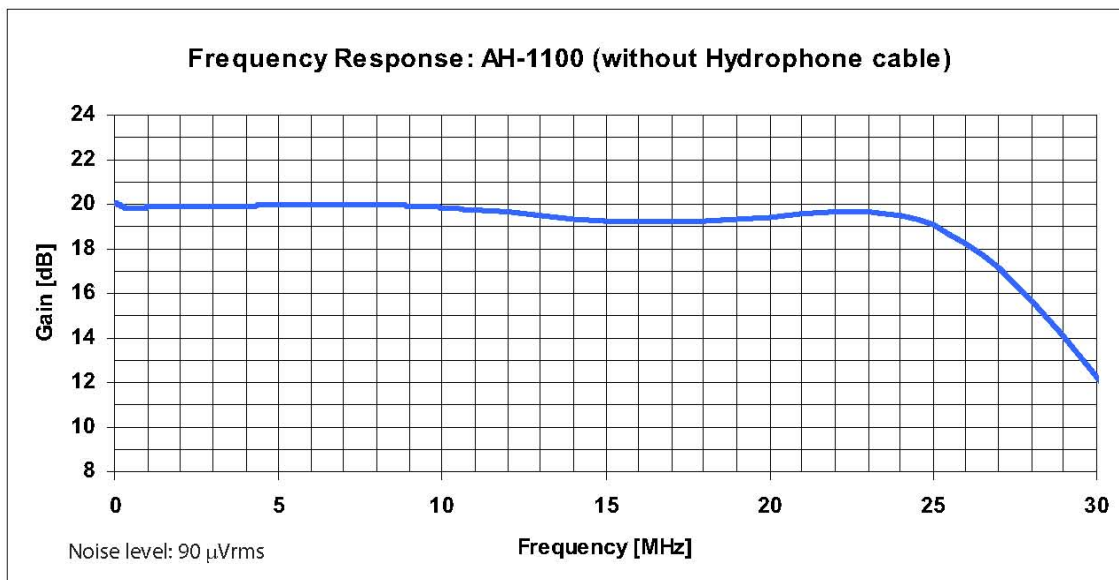


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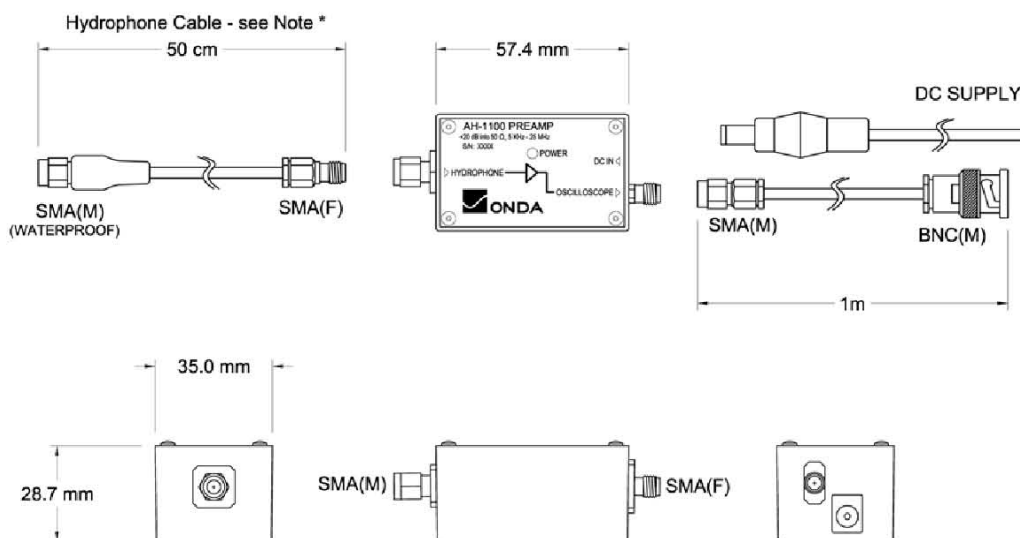


Amplifier is supplied as a kit with signal cables and universal power supply (plug configurations available for all countries).

## Typical Gain Plots



## Mechanical Specifications



Weight (amplifier without cables): 58 g

\* Note: 20 cm and 100 cm submersible cables available upon request.

This amplifier is not submersible. For submersible amplifiers, see the AH-2000 Series.



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