



AIR-500

Laser Ultrasonic Receiver

*Optimized for High Sensitivity
Laboratory Measurements on
Rough Surfaces*

Technical Specifications

- **Surface Displacement Sensitivity:**
Better than 2×10^{-7} nm (W/Hz)^{1/2}
- **Fiber head:**
2-meter fiber (other lengths available)
FH25: 25 mm diameter collecting optics
Focal distance selectable from 50 mm to 250 mm
FH50: 50 mm diameter collecting optics
Focal distance selectable from 100 mm to 500 mm
- **Analog Output:** 50 ohm source
- **Absolute displacement calibration**
Provided by an internal calibrated piezo mirror
- **Detector Bandwidth:**
Up to 125 MHz
Other bandwidths available to 1 GHz
- **External CW Probe Laser**
Designed for frequency-doubled Nd:YAG (532 nm wavelength, 100 mW power min.)
- **Electrical Requirements:**
100/110/200/220 V AC, 50/60 Hz

Customized AIR-500 available upon request

- Dual probe beam configuration for measurements at two positions
- Simultaneous out-of-plane and in-plane measurement
- Free space beam delivery

For your application needs, please contact Dr. Marvin Klein