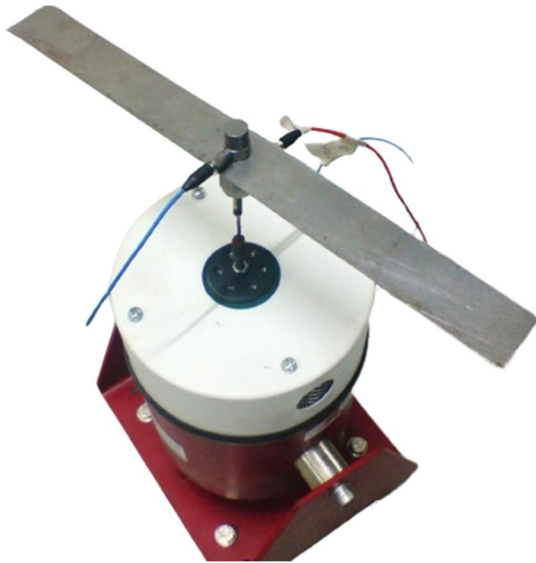




**Alfa Acoustics**  
Silence through Science

## Center Impedance Damping Loss Factor



Alfa Acoustics center impedance damping loss factor measurement setup is designed to meet stringent test requirements of damping loss factor measurement. This method is also called as mechanical impedance method. When the impedance ( $F$  force/  $V$  velocity) is measured in the central exciting method, the resonance frequency and anti-resonance frequency appear alternately. At the resonance frequency, the excitation power is very small, and the specimen is vibrated greatly, while at the anti-resonance frequency, the excitation power is great, and the specimen is not vibrated much. This method is mainly applicable for materials used in ground vehicles, marine products, and aircrafts.

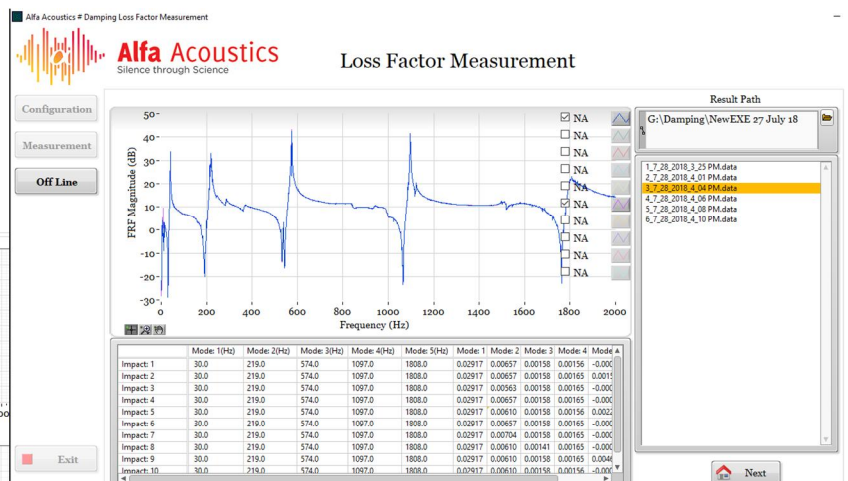
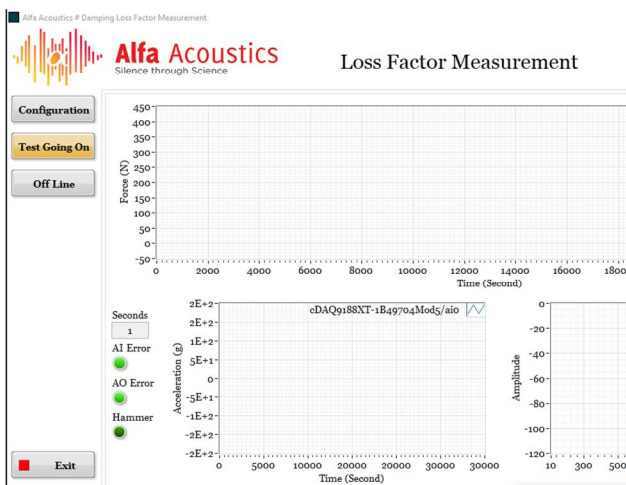
### Test Materials

- Steel and Aluminium panels
- Damping materials of different types
- Glass strips
- Composites, Wooden Panels

### Technical Specifications

Overall Dimensions	0.3 x 0.2 x 0.5 m (L x B x H)
Frequency Range	1 - 1000 Hz
Sample Thickness	0.8 mm to 10 mm
Weight	10 kg
Test Standards	JIS G0602, SAE J3130
Applications:	Automotive, Railway, Aircraft and Marine Applications

### Screenshots of Software



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