

Shaking Table Measuring Software

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Measurement System

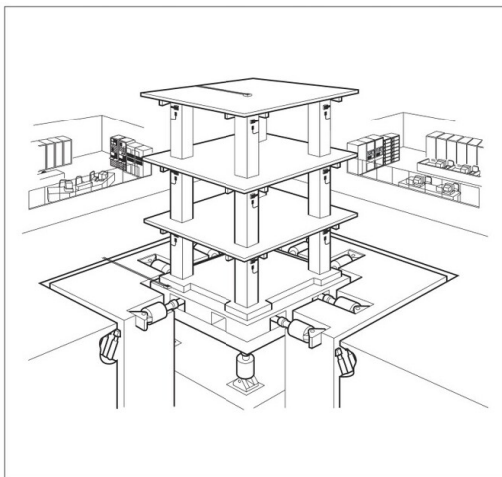


Traffic
System

Automotive
Test
System

Civil
Engineering
Measuring
System

Test
Equipment &
System

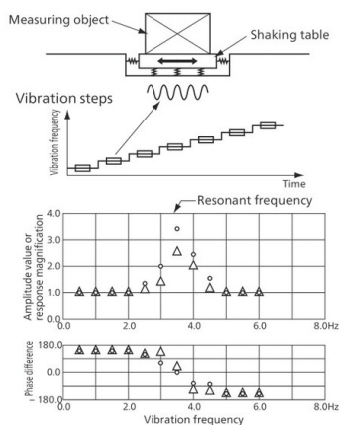


Measurement and data processing of structural behavior characteristics, earthquake resistance, and safety

Vibration testing using a shaking table is an important test method required for investigating and researching structural behavior characteristics, earthquake resistance, and safety. This software records and processes measurement data during vibration testing, such as acceleration, strain, and displacement obtained from sensors attached to measurement areas. Amplifiers, filters, AD converters, and other measurement equipment can also be controlled and configured from a PC. It can also perform automatic measurement while communicating with a vibration control system. It is compatible with various types of test equipment, including 2D and 3D large shaking tables, underwater shaking tables, and large centrifugal force test equipment. This software can be built according to preference, including specification details.

Sine Wave Step Measurement

A shaking table is vibrated while varying the vibration frequency step by step to determine the measurement amplitude and phase at each vibration frequency. This allows the structural resonant frequency to be determined.



Software Configuration Example

