

# ELECTRODYNAMIC SHAKER



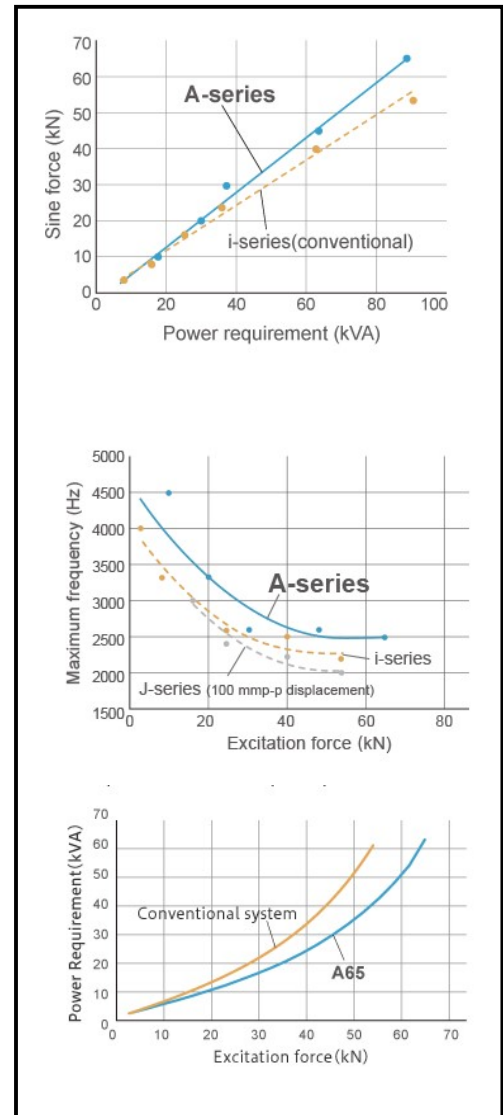
## ABOUT THE SYSTEM

Electromagnetic vibration table is widely used in defence, aviation, aerospace, communications, electronics, automobiles, home appliances, and other industries. This type of equipment is used for discovering the early faults, simulating the actual working condition and the structure strength test, the product application is wide, the application width is obvious, the test effect is remarkable and reliable. Sine wave, FM, sweep, programmable, frequency multiplier, logarithm, maximum acceleration, amplitude modulation, time control, full function computer control, simple fixed acceleration/fixed amplitude. Equipment through continuous failure to run 3 months of testing, stable performance, reliable quality.

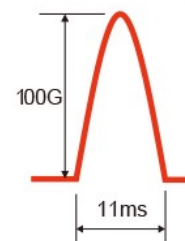
## MODEL: SH 100 N

### Parameters available in this Model

- Current drawn by coil vs Frequency
- Excitation force Vs Frequency
- Force Vs Displacement



### Examples of shock test



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## TECHNICAL SPECIFICATION

The Advance Electrodynamic system test software perform important functions of the measurement automatically without any human interventions. Following are highlights of important functions:

- Simultaneous measurement of Force and current.
- Automatic measurement of Frequency vs Force and temperature rise in coil.
- Representation of data and graphs in automatic scale.
- Online math work for different calculations
- Data in standard ASCII Format exportable to standard software's like excel origin etc.

| <b>Shaker</b>   | <b>100N/500N/2000N</b> |
|---|------------------------|
| Excitation Force  | 100/500/2000 N         |
| Resolution  | 0.1/0.5/1 N            |
| Frequency range   | DC to 3000 Hz          |
| Pole Material   | High Cr steel          |
| Shape   | Cylindrical            |
| Power supply  | 200/500/1000 W         |
| Voltage/Current   | 12V-2A/5A/10 A         |
| Stability   | 1%                     |
| Ripple  | 0.1%                   |
| <b>Measurement (options)</b>  | <b>Accelerometer</b>   |
| Range   | 100mV/g                |
| Resolution  | 0.1%                   |
| Linearity   | 0.1%                   |
| Temperature coefficient   | Chart provided         |
| Basic Accuracy  | 0.1 %                  |
| No of Ranges  | 1X/2X/10X              |
| <b>Amplifier</b>  | <b>AC</b>              |
| Frequency Range   | DC to 3000 Hz          |
| Voltage Amplitude   | 12 V p-p               |
| Current   | 2A/5A/10 A             |
| <b>Performance</b>  | <b>AC</b>              |
| Stability   | 1%                     |
| Ripple  | 0.1%                   |
| Feedback  | Current/Voltage        |
| <b>*For detailed specification, please refer to respective brochures*</b> |                        |

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