

Vibration Shaker Testing Equipment

Applications

1. Widely used in defense, aviation, aerospace, communications, electronics, automobiles, home appliances and other industries.
2. This type of equipment is used for discovering the early faults (working condition and structure strength test).

Shaker

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|-------------------------------------|------------------------------------|
| Sine Force (peak) | 30 kN |
| Shock Force (peak) | 60 kN |
| Frequency Range | 5 ~ 2,600 Hz |
| Displacement (continous) | 100mm |
| Max Velocity | 1.8 m/s |
| Max. Acceleration | 75 G |
| Armature Diameter | 445 mm |
| 1st order resonant frequency | 2,400 Hz |
| Allowable Eccentric Moment | > 500 Nxm |
| Armature Weight | 40 kg |
| HE/ST screw dimension | M10 (metric) |
| Axial vibration isolation frequency | < 3 Hz |
| Max. Payload | 500 kg |
| Magnetic Flux Leakage | ≤1 mT |
| Dimensions (LxWxH, unpacked) | 1330 x 860 x 1250 mm |
| Weight (unpacked) | 2,500 kg |
| Installation | Rubber mat (anchor bolts required) |

Power Amplifier

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|------------------------------|--------------------|
| Amplifier Output | 30 kVA |
| SNR | < 65 dB |
| Rated Output Voltage | 120 Vrms |
| Amplifier Efficiency | < 90% |
| Dimensions (LxWxH, unpacked) | 800 x 900x 2100 mm |
| Weight (unpacked) | 500 kg |

Blower

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|-------------------|---|
| Air Blower | 0.46 m3/s |
| Power | 7.5 kW |
| Air Duct Diameter | 200 mm |
| Air Pressure | 8.8kPa |
| Installation | Able to connect to ceiling (up to two 90 degree bends), max 20' run |

Horizontal Slip Table

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|-----------------|------------|
| Dimensions | 600x600 mm |
| Thickness | 45 mm |
| Frequency Limit | 2,000 Hz |
| Effective Mass | 54 kg |

Vibration Controller VT-9008-4

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|--------------------------------|--|
| Vibration Controller VT-9008-4 | 4 Channel Vibration Controller with Sine and Self Calibration |
| Accelerometer EA-YD-181 | 100mV/g, Range: 50g, Working Freq.: 1-10kHz, Weight: 11gram, with 10ft low noise cable |

Other Supported Functions/Accessories

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|--|--------------|
| Environmental Chambers | Supported |
| Mobile Devices, Insulation Boards, Fixture | Customisable |

Working Environment of the System

| | |
|-------------------------|------------------------|
| Temperature Range | 0-40 °C |
| Humidity Range | 0~90%, no condensation |
| Power Requirements | 380V/3ph/50Hz, 40kVA |
| Compressed Air Pressure | 0.6 Mpa |