



TORONTECH

MECHANICAL VIBRATION TESTER



Mechanical vibration tester simulates vibration during transport for electronic products, components, spare parts, products, and instrumentation, etc. Its vibration and reliability tests comply with the GB, UL, IEC and other standards.

APPLICATIONS

- **Electronics and Electrical Components** – Tests circuit boards, devices, and assemblies for transport vibration resistance.
- **Consumer Products** – Evaluates durability of packaged goods and instruments during handling and shipping.
- **Automotive and Spare Parts** – Confirms vibration tolerance of mechanical and electronic parts under transport conditions.
- **Packaging Validation** – Simulates shipping vibrations to ensure protective packaging maintains product integrity.
- **Industrial Equipment and Tools** – Verifies reliability of machinery parts exposed to repetitive vibration during distribution.
- **Quality Control and Compliance** – Provides standardized vibration testing in line with GB, UL, IEC, and related standards.

FEATURES

- Apply centrifugal excitation to yield low mechanical noise
- Adopt four points synchronous reverse, excellent uniformity of vibration on worktable
- Step less amplitude adjustment to satisfy test requirements of different products
- Windows standard control interface in Chinese and English, capable of printing reports, simple operation
- Comes with damping airbag (caster); no need for special foundation

TECHNICAL SPECIFICATIONS

Model	TTRV3000	TTRV8000
Table Size L x W (mm)	600 x 500	1000 x 800
Frequency Range (Hz)	5-8	10-60
Amplitude Range $\frac{1}{4}$ ^mm p-p $\frac{1}{4}$ %	0~3	0~2.6
Acceleration Range (G)	0--11	0--11
Max. Payload(kg)	100	300
Control Interface	compatible interface IBM PC Serial port Rs232 9P/USB port	
Test Method	Fixed frequency, sweep frequency (linear / logarithm)	
Waveform	Sine Wave	
Vibration Direction	Vertical	
Power Supply	AC 220V /50Hz	
Machine Size(mm)	765 x 525 x 690	1000 x 800 x 655
1000 x 800 x 655	250	500



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