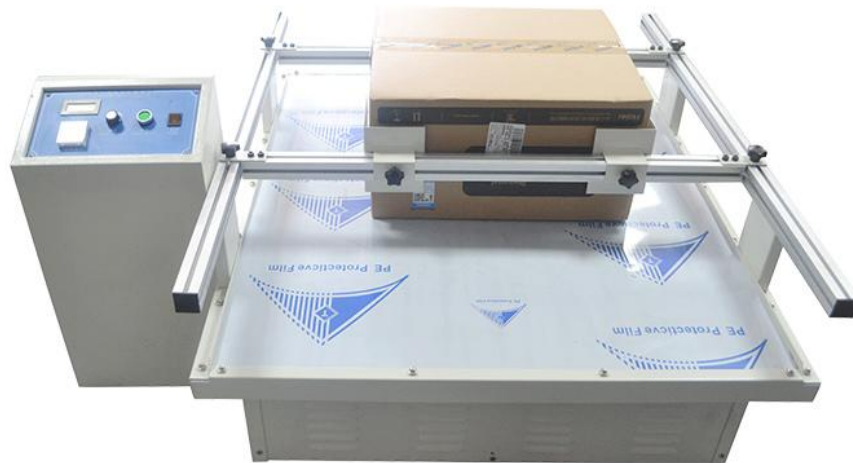




User Manual of Simulation Transport Vibration Tester



Read before Operation

Before operation this machine, please read this manual thoroughly, and keep a copy with the machine for future reference. This manual is to be considered part of your machine.

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1. Summarize

[Use and Characteristics]

The Simulation Transport Vibration Tester is the assessment of the ability of various articles of specific loads to withstand the actual road conditions in the process of road automobile transportation, so as to obtain the influence of the actual working conditions on the articles in the laboratory, so as to give the basis for evaluating or confirming the packaging of articles and articles.

[Product Features]

- (1) Vibration frequency of digital display, high precision;
- (2) Synchronous mute broadband transmission, low noise;
- (3) Sample fixture with rail, easy to operate and safe;
- (4) Heavy-duty channel base with vibration-damping rubber, easy to install, strong load, stable operation;
- (5) According to the restructuring of similar equipment in Europe and America, rotary vibration, in line with European and American transport norms;
- (6) Suitable for toys, electronics, furniture, gifts, ceramics, packaging and transportation industry to test the packaging of products;
- (7) According to the restructuring of similar equipment in Europe and America, rotary vibration, in line with European and American transport standards.

Note: When moving the machine can not lift the aluminum around to prevent bending deformation.



[Main Parameters]

Maximum Test Load (kg)	100kg
Frequency Range	1.5-5.0HZ
Amplitude Range	25.4mm
Vibration Mode	Rotation Gyration
Simulation Speed	25~40km/h
Worktop Size (LxW)	1000×1200mm
Power Supply	1 ϕ AC 220V, 50/60 Hz (or customized)
Power Consumption	0.75KW
Ambient Condition	Temperature: 5~40℃; Humidity: $\leq$ 85% RH

[Product Structure]

(Note: The test machine for the overall assembly and delivery, without the customer's own installation)

- (1) Speed controller using LCD digital display;
- (2) Transportation Vibration test machine made of immortalized steel countertops, smooth surface, and countertops firm, not easy to fall off;
- (3) Control cabinet test angle and angle fixed stainless steel table are adopted inside and outside the surface electrostatic spraying, never rust.



2. Notice

(1) Please comply with the following signs of warnings, dangers and attentions for the sake of prevention of accidents and dangers when using the apparatus.

 Danger	The operator may be hurt if he does not comply with the specification.
 Warning	The apparatus may be damaged if the operator does not comply with the specification.
 Note	Using specification of the apparatus is added here.
 Attention	Testing quality and results may be influenced.

(2) The warning and attention sign of instrument.

	Warning	Please refer to the manual if necessary.
	Dangerous Voltage	There is high voltage.
	Grounding Protection	The apparatus should be connected to the grounding terminal.



3. Product Installation

- (1) With the adjacent wall or other machine body distance greater than 60cm;
- (2) In order to stabilize the performance of the testing machine, the temperature should be 15 °C ~ 30 °C, the relative humidity is not 85% of the places;
- (3) Do not change the ambient temperature of the installation site drastically;
- (4) Should be installed on the level of the ground (use the level instrument installed on the ground to confirm);
- (5) Should be installed in the absence of direct sunlight; good ventilation, dust less places;
- (6) should be installed away from combustibles, explosives and high-temperature heat source place, so as to avoid disaster;
- (7) As far as possible installed near the power supply place, the test machine only applies to single-phase 220V AC power supply;
- (8) Test machine shell must be grounded, or there is a risk of electric shock;
Power into the terminal should be the same capacity with leakage protection air switch and contactor, in case of emergency cut off the power;
- (9) When the machine is running, do not touch any part except the control panel by hand to prevent abrasion or crushing;
- (10) If you need to move the machine, be sure to cool it for 5 minutes after turning off the power.



4. Ready to Work

- (1) The power and ground wire to confirm that the power cord is properly connected in accordance with the specifications, and indeed grounding;
- (2) The machine installed on the ground level;
- (3) Adjust the clamping sample, the sample placed in balance has been adjusted within the guardrail device, the fixture clamping test sample, clamping force should be appropriate to avoid clipping the test sample.

5. Operation Method

- (1) The test product is placed shaker center;
- (2) Use a wrench to loosen the nut on the positioning bar;
- (3) With both hands patted the mobile, the test product is fixed with a fixture, tighten the nut;
- (4) Check if the equipment collides with other objects (this equipment must have a space of 0.5m to 1m around it);
- (5) Plug in;
- (6) Turn the console "POWER" key switch on (left, right);
- (7) Press the "START" key (green light);
- (8) Adjust the timer (00M00 / min) (00H00 / hour);
For example, the "05M00" working time is 5 minutes (automatic shutdown);
The working time of "01H00" is 1 hour (automatic shutdown);
- (9) Regulator accelerates from left to right, (Note: the minimum speed of not less than 100 rpm, the maximum speed does not exceed 300 rpm);
- (10) After the test is completed, press the "STOP" key (red light is on), then the motor is powered off and the test data is removed and recorded;
- (11) Press the "POWER" switch to turn off the power.



6. Maintenance Instruction

- (1) After each use of equipment, should do a good job inside and outside the cleaning equipment;
- (2) Spray the equipment should always pay attention to anti-corrosion measures to prevent erosion, the outer surface of the device with anti-rust oil;
- (3) The long-term use of the test machine, the machine should be regularly transmitted parts of the lubricating oil;
- (4) The motor should be regularly checked and cleaned, the motor shell can not accumulate ash affect the normal operation of the motor, the motor is running, if there is a special sound surface temperature anomalies (temperature greater than 70 °C), should immediately stop checking if the bearing damage , Should be promptly replaced; if the motor seat fasteners loose, resulting in displacement should be reset; if the lack of lubricating oil can be used calcium-based grease to be lubricated;
- (5) Do not arbitrarily disassemble the zero (parts) of electrical components and equipment, so as to avoid damage to the electrical control circuit, resulting in equipment failure and affect its performance;
- (6) Storage and use of equipment, the surrounding non-flammable, explosive and corrosive substances;
- (7) The local precision instruments please hand use and maintenance.



7. Quality Assurance

I 、 The guarantee period is 12 months (consumer goods and travel cost are not included).

II 、 The main quality warranty maintenance certificate.

- (1) Please keep this guarantee letter, if you lost it, please connect with us in a month.
- (2) If this guarantee letter has been altered or it has no our stamp, it is useless.

III、 The following conditions need to pay reasonably even in the assurance period.

- (1) Natural reasons
- (2) Operating mistakes
- (3) Voltage is not fit for our operation instruction
- (4) Repack it without our guides
- (5) Damaged for borrowing to others
- (6) Damaged for authorized machine modification
- (7) Damaged for authorized calibration
- (8) Authorized transshipment mistake
- (9) Serve for long distance area

IV、 Notes:

- (1) Where the original in Guangdong province installation of our products, if the product moved to outside Guangdong-area use, whether or not within the effective warranty period, the transportation and travel expenses of the service personnel should be paid by the client.
- (2) All customers outside of Guangdong province, whether or not in the warranty period, the service of transportation and travel expenses paid by the customer.