



User Manual of

Webbing abrasion testing machine

Operator's Manual

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.

Model: NG-112



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1. Summarize

Thank you for purchasing our webbing abrasion testing machine. This "Operating Instructions" (hereinafter referred to as "this book") is for the parameter setting and operation instructions of this machine.

[use]

This machine is suitable for the abrasion resistance test of various webbings. The sample and the hexagonal rod are rubbed at a certain angle and the effect of the wear is judged under a certain number of revolutions.

[Features]

- ※ A variety of angles to make your test accurate and productive.
- ※ Beautiful appearance, easy to operate, stable and reliable performance.
- ※ LED digital display counter, you can set the number of tests arbitrarily, and visualize the actual number of tests.

[Technical Parameters]

Test load (g): (Mainland use) $2.36 \pm 0.05\text{kg}$, $1.5 \pm 0.05\text{kg}$, 3 groups each

Roller: 400mm

Driving mode: motor driving

Test fixture: 3 groups

Simultaneously measurable: Three groups of trial films

Count the way: LED liquid crystal display

Machine size: about $1070 \times 750 \times 1100\text{mm}$

Power: 220V

Weight: about 160kg



2. Notice

2.1 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.

2.2 The warning and attention sign of instrument.

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



3. Machine Appearance and Panel

Appearance shows



Control Panel



POWER: Power button, turn on and turn off the the power.

RUN: Start testing button

STOP : Stop testing button

CLR : Zero clearing button



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SET : Set button, modify test number, after setting, confirm and return to normal status.



Value increment key



Value decrease key



Left shift key



Right shift key

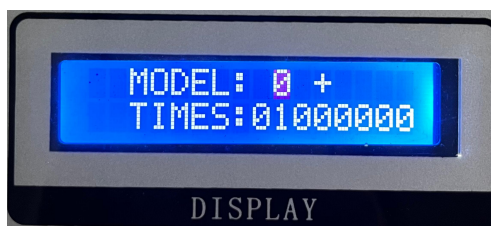


SP: Test Speed

OT: Set number of tests

TIMES: Actual number of tests

Turn on the power, press the **SET** key, the display as shown in Figure,





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Then press   key to choose the count mode, 0 means Count Forward,
1 means Count Backward.

Press   key to to change the setting numbers. Move to the
corresponding position you wanna modify.

then via   key to increase or decrease. After setting test number,
press **SET** key to exit the modify state.

After setting, press **RUN** button to start the test, the machine will automatically
stops when it reached your set value. If you want to half-stopping, press the **STOP**
key, then press the **RUN** key to continue the test. For the next test, press the **CLR**
key to clear data.

Schematic diagram of ribbon clamping



Schematic diagram of weight clamping





4.Operating Instructions

Test preparation:

1. Fix one end of the sample on the test roller and the other end on the test weight, and make sure that the length of the webbing is sufficient for the weight to stay at the bottom of the bracket and not collide with the bracket during the test.
2. Turn the governor switch to the minimum.
3. After setting the number of tests according to the test requirements, the whole machine is in the test state.

Operating specifications:

1. Connect the appropriate power supply 220V according to the label.
2. Set the governor switch to the minimum to avoid the speed being too fast, causing the machine to be abnormal.
3. Turn on the power, first test the machine, if there is no abnormality, turn off the power.
4. Press the CLR key to zero the counter.
5. Press the SET key, set the required test times according to the test requirements, and then press the SET key to exit the modification state. If set 2500 times, only the fourth button is set to 2, the third button is set to 5, the second and the first digit are set to 0, and the sixth and fifth positions do not need to be set.
6. Clamp and fix the sample to be tested.
7. Press the start button and the whole machine will enter the test state.
8. Adjust the speed control knob on the governor to achieve the required test speed for the machine.
9. After the whole machine is tested to the set times of the counter, the shutdown is in the standby state.
10. If you need to temporarily stop the machine, during the test, press the STOP button directly, and press the RUN button directly to resume the action.
11. If any abnormality occurs during the test, please press the power switch to cut off the power supply.
12. This test is completed, if you need to continue the product test, please operate according to the above operating specifications.
13. After the test, turn off the power, remove the test article and clean the machine.



5.Maintenance

1. Before using the instrument must be placed on solid ground.
2. Are not allowed in the course of fiddle machine;
3. Select the appropriate supply voltage, not too high to avoid burn devices;
4. When the instrument is abnormal, please contact the timely processing of this order; 5.
When the machine is working Must have good ventilation.
6. Each key mechanical components, due to the large operating load, the mechanical parts
please add oil;
7. The completion of each test, cleaning machine, keep the machine clean;
8. The control box section, shall be a dry cloth, not with a damp cloth.

6. Troubleshooting

- 1.If you turn on the power does not appear, indicating that there is no pass on the power
supply or the power light damage, such as the power light is damaged, you can replace the
lights. If the power supply output terminals are not output, check the power cord or power
outlet.
- 2.If the power is turned on, the power LED indication, press the start button the machine does
not work, check if there are dropped or disconnected relay, such as dropped or broken
please take a good, such as a relay without dropping break situation shows relay has been
damaged, it should be replaced.
- 3.When the test reaches the number of times set by the counter, the motor still does not stop
working, indicating that
(1), the counter is damaged (2), the switch is damaged.
- 4.If the power indicator light, power display is blank, indicating that the power of the monitor
is damaged, replace the power monitor.



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.