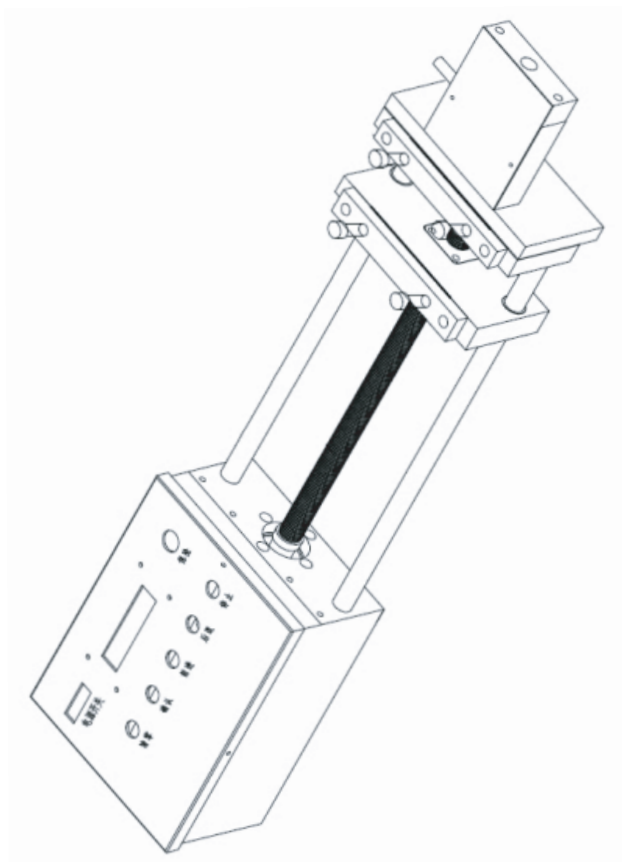




Lesite Technology

# Tensiometer

Manual





Please read this manual carefully before using this machine, and keep it for future reference.

## Application

Mainly used for shearing, peeling and tensile testing of geomembrane, geotextile and plastic film materials.



## Precautions



It is forbidden to disassemble the tensiometer without permission. If necessary, please confirm that it has been turned off and unplug the power plug before disassembling it, so as to avoid being hurt by the internal charged exposed power line or components.



In order to ensure the safety of users and reliable operation of tensiometer, stabilized voltage power supply and leakage protector must be installed at the construction site.



Ensure that the protective earth connection is good.



The voltage rating stated on the tool must correspond with the line/ mains voltage (AC220V) .



Please take it lightly, any collision may result in inaccurate measurements or damage.



It is forbidden to collide with the drive shaft and the movable plate.

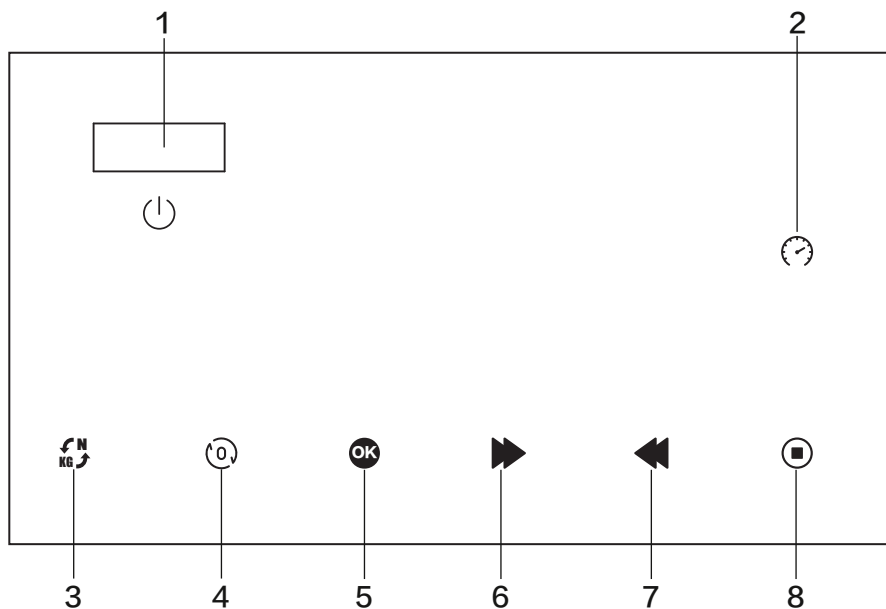


Protect the tensiometer from damp and wet.

## Parameter

Model	<b>LST-T004</b>
Voltage	230 V
Frequency	50 Hz
Jaw spacing	5-300 mm
Tensile load	max 2000 N
Range	max 100 mm
Size (L × W × H)	700×220×120 mm
Net weight	12 Kg

## LST-T004 Keyboard



1、Power Switch

4、Reset

7、Backward

2、Motor Speed Adjustment

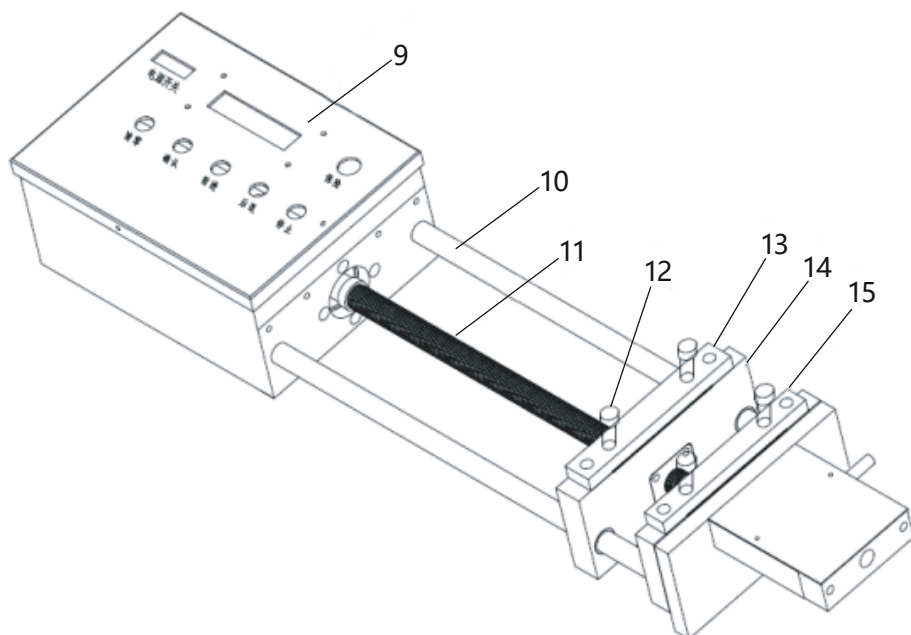
5、Confirm

8、Stop

3、Unit Switching

6、Forward

## LST-T004 Main Parts



9、Keyboard

10、Fixed Slide Bar

11、Drive Shaft

12、Test Sample Compression Screw

13、Test Sample Platen

14、Movable Plate

15、Fixed Plate

## LST-T004 Screen Data

MAX-F	Current-F
537 N	4 N
18.0mm	0.0mm
MAX-L	Current-L

- 1、The data below MAX-F is the maximum tensile force displayed by the broken material in this test, which can be retained all the time.The unit of data is N (can also be displayed in KGS, which can be switched by the unit switching (3)).
- 2、The data above MAX-L is the maximum walking distance displayed in this tensile material test, which can be retained all the time. The unit of data is mm.
- 3、The data below Current-F is the current tensile data. The data unit is N (can also be displayed in KGS, which can be switched by the unit switching (3)).
- 4、The data above Current-L is the current distance data. The unit of data is mm.

## LST-T004 Operations

- 1、Open the cover of the tensiometer, take out the power cord, check whether the power cord is in good condition, and connect to the power supply
- 2、Turn on the machine power switch(1).
- 3、Prepare base material samples for testing.
- 4、Use a screwdriver to loosen the 4 test sample compression screws (12) on the movable plate(14), and then insert the prepared base material sample into both sides of the machine respectively.

## LST-T004 Operations

- 5、 Use screwdriver to tighten the 4 test sample compression screws (12) on the movable plate() until the base material sample is completely clamped.
- 6、 Check if the fixed slide bar(10), the drive shaft(11), and the movable plate (14) are free of any foreign objects that hinder the operation; press the reset (4) button to reset the previous residual data to zero; press the forward (6) button again, the machine starts to run. You can see that 4 lines of data change on the display screen. When the base material sample is completely broken, press the stop(8) button.
- 7、 After the test, you can see the test data displayed on the display screen. Please confirm whether the test sample is qualified according to the corresponding standard.
- 8、 Loosen the 4 test sample compression screws (12) and take out the base material sample ; if there is no test, please press the backward (7) button to return the movable plate (14).
- 9、 After the test is completed, turn off the power switch(1) and unplug the power plug. If possible, please add some oil to the fixed slide bar (10) and the drive shaft(11).

## Quality Assurance

- This product guarantees a 12-month shelf life from the day it is sold to consumers. We will be responsible for failures caused by material or manufacturing defects. We will repair or replace defective parts at our sole discretion to meet the warranty requirements.
- The quality assurance does not include damage to wearing parts, damage or defects caused by improper handling or maintenance, and damage caused by falling products. Irregular use and unauthorized modification should not be covered by the warranty.

## Repairs and Spare Parts

- It is strongly recommended to send the product to Lesite company or authorized repair center for professional inspection and repair.
- Only original Lesite spare parts are allowed.





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