

horizontal line "-----" will be displayed in the display, Meaning that the weighing object is overweight and should be removed to avoid damaging the balance.

VIII、Tare

- (1) If there is a container on the weighing tray, the balance displays the weight of container.
- (2) Press "TARE" and then "0.000" will be displayed. It indicates that the tare has been deducted.
- (3) Place the thing into container and the balance will display the weight of thing.

IX、Sample length (return count) setting

When weighing denier values. Set the sample length (number of loops) first. Press and hold the "Tare" key to start the machine. After releasing the button, it will display the number of loops of 50, 100, 200 and 400 in turn. When the desired setting number is displayed, press the "Tare" key again to appear "100.000".

X、Cautions

- (1) Switch on power resource according to requirements to make balance warm up before usage.
- (2) 1.Working environment and conditions shall conform to the environment requirements.
- (3) The weight of all weighing things on the weighing tray can't exceed the 120% required weighing range.
- (4) When weighing is not accurate, calibration shall be undertaken by use of standard weight according to concerning requirements.
- (5) If user found any defecation in the balance, don't try to disassemble the machine shell and repair it to avoid damaging the precision parts in the machine. Please take it to the distributor or send it to the manufacturer and let them repair.

XI Package list

Electronic balance	1 set	Instruction book	1 copy
Warranty card, certificate of qualification	1		
Electrical adapter	1	Standard Weight	1

Y871 Denier Electronic Balance

USER MANUAL

Y871 Denier electronic balance is an intelligent measuring instrument, With weighing, scientific calculation, and other functions, this product uses imported integrated circuit, stable and reliable performance, simple operation, accurate weighing. It is a widely used in textile & silk enterprises and Scientific research. Applicable to all kinds of artificial silk, natural silk detection.

I Model and Specification

1. Electronic Balance

model	Weighing Range	Resolution	Pan Size
Y871	0~110g	1mg	Φ130

2. Raw silk fineness meter

classification	Weighing Range	Resolution
50 loops	0~320D	0.5D
100 loops		
200 loops		
400 loops		

II. Unit

- Two units can be changed: D and g

III. Working Condition

Working Temperature: 0°C~40°C

Maximum Consumed Power: 5W

Temperature fluctuation: 5°C/h

Power Supply: 220V ± 10%, 50HZ ± 1HZ

Comparative Humidity: 50%~85%

IV. Operation Requirements

When it is operated, electronic balance shall be placed on stable working platform to avoid the influences from mechanical vibration, direct sunshine and air current etc.

V. Operation

- Power-on

- Switch on the power supply behind the balance and the display indicates in turn "8.8.8.8.8." "Max weighing capability of balance", "=", "=", "=", ". At last it shall display the weighing mode as "XXX.XX". If any error founded in display, you may turn on and turn off the balance once more. Then it will be operated normally.

VI. Calibration

- Calibration Requirements

When distinct errors appeared in the weighing of balance, the balance shall be calibrated to make weighing accurate. The recalibrated balance shall be placed on the stable working platform without the influences from the vibration of air current and strong electromagnetic wave. The calibration results will be more accurate 20 minutes later after the balance is operated.

- Calibration Procedure

Three-point Calibration

Turn off the balance, then press the "UNIT" button and turn on the balance simultaneously until the display shows "CAL", then release. The calibration procedure shall be undertaken as blow:

Display blinkingly the first point stand weight value and then place the same value standard weight;

Display stably weight value and then remove weight. The " = = = = =" will be displayed;

Display blinkingly the second point stand weight value and then place the same value standard weight;

Display stably weight value and then remove weight. The " = = = = =" will be displayed;

Display blinkingly the third point stand weight value and then place the same value standard weight;

Display stably weight value and then remove weight. The "0.00" will be displayed;

The calibration is finished. You can also press the "Unit" key when flashing the value of the second standard weight to end the calibration. Just one point calibration.

VII. Weighing

- Turn on the balance to make it warm up stably and display "0.0", It is denier mode. Press "Unit" key and indicates "0.000", It is weighing mode. Place a thing on the weighing tray and display the weight of the thing. It indicates the weight is already stable when the display value is not changed again.
- When the weight of the object over than the maximum weighing, the upper