

XY ELECTRONIC BALANCE  
INSTRUCTIONBOOK  
(2CS- SERIES)

XY series textile electronic balance is a kind of intellectual

measuring instrument with weighing, counting and other many functions. The product introduces imported Integrated circuit and enjoys stable and reliable performance, easy operation and accurate weighing and counting. As a kind of measuring instrument, it has been widely used by enterprises and scientific research institutions.

### I Model specification and index:

Model	XY2002CS	XY3002CS	XY5002CS	XY10002CS
Max capacity	210g	310g	510g	1100g
Readability	10mg			
Pan Size	φ 130			

### II Function:

It has: g,oz,tex,Nm,Ne,D,g/m<sup>2</sup>,oz/yd<sup>2</sup>,kinds of the units to change.

Press "Cal" 8 seconds:one point calibration

Power on+"Cal":Three Point Calibration

### XI Ensample:

a) Put the textile on the balance for ensample it shows: 2.58g

press the key of" unit"show the **g/m<sup>2</sup>** . it show 258g/m<sup>2</sup> .Press the key of unit again

### Package List

Electronic balance 1 set

Instruction book 1 copy

Weighing tray 1

Electrical wire 1

Calibration weight 1

- b) when show the **o/y** , the unit is oz/yd<sup>2</sup>.
- c) Put the 100 meters cotton yarn on the balance, if show 3.58g  
Press the unit key when show the **tex**. it means 35.8 (TeX)  
Press the unit key when show the **Nm** , it means 27.933 (Nm)  
Press the unit key when show the **Ne**, it means 16.28 (Ne)

## **XII Cautions**

- (1) Please keep the environment tidy, and the balance should be put on the stable countertops
- (2) Before you use balance, please check whether the balance is accurate. If the balance is not accurate, please calibrate the balance according to the manual, and please use the standard weights to calibrate the balance.
- (3) Switch on power resource according to requirements to make balance warm up before usage.
- (4) Working environment and conditions shall conform to the environment requirements.  
The temperature should be between 10~30°C
- (5) The weight of all weighing things on the weighing tray can't exceed the required weighing range.
- (6) If user found any deflection 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.
- (7) Please do not put the corrosive things on the pan of the balance directly.

value standard weight; The “= = = = =” will be displayed; then display stably weight value and remove weight. then “= = = = =” will be displayed. the “0.00” will be displayed;. The calibration is finished.

### Three-point Calibration

Turn off the balance, turn on the balance and then press the “cal” button 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.

### VII Weighing

1. Turn on the balance to make it warm up stably and display “0.00” .
2. 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.

### VIII Tare

- (1) If there is a container on the weighing tray, the balance displays the weight of container.
- (2) Press “Tare” and then “0.00” 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 The code of the Mix textile settings:

When need to calculate the unit “Ne”, should set the code of the mix textile firstly, press the “CODE”, it will be show “H XX”, “XX” is the code, when it show the code that you need , press “CAL”; disentangle the both key , it is finished, like below list if not include please follow the form  
 Temperature Fluctuation: 5°C/h  
 Power Supply: The Adapter System 220V±10%, 50Hz Tex (2+ The british room regain)  
 Comparative Humidity: 60%~85%  
 C=Cotton yarn T=Terylene P=Polypropylene fibre N=Nitrilon V=Viscose fiber

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.

### IV Operation Requirements:

Name	Only C	TC	TC	TC	TC	TC
	30/30	65/35	55/45	45/55	35/65	
<b>V Operation:</b>						
(1) Power-on	1	2	3	4	5	6
(2) Switch on the power supply behind the balance and the display indicates in turn “8.8.8.8.8.” “Max weight of capability of balance”, “F/V=, . . . =T/M” at last it shall display the Name weighing mode “0.00/50.0” or “0.0/50” any error is displayed in display, you may turn off the balance once more. Then it will be operated normally.						
<b>VI Calibration</b>						
(1) Calibration Requirements	7	8	9	10	11	12

When in the weighing of balance, the balance shall be recalibrated to make weighing accurate.  
 On the right side LCD screen display the units signs

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.

	units	(g)	(oz)	(Tex)	(Nm)	(Ne)	(D)	(g/m <sup>2</sup> )	(oz/yd <sup>2</sup> )
(2) Calibration Procedure	g	OZ	Tex	Nm	Ne	D	g/m <sup>2</sup>	o/y	
One-point Calibration									

Turn on the balance it shall display the weighing mode as “0.00”, then press the “cal” button until shows “CAL”, then release. Display blinkingly the stand weight value and then place same

