

Yarn name	Polyester / nitrile 65/35	Cotton / polypropylene 50/50	Cotton / nitrile 50/50	Polyester / viscose 63/35	Polyester / viscose 55/45	Cotton / viscose 50/50
Code:H	7	8	9	10	11	12

C. The test of yarn sample:

1---Press“**CONVERSINON**”to choose the unit.

2---Weighing the yarn sample and there will the voice when the testing finish.

3---Press the **UP+DOWN** at same time to enter the menu, press the **UP or DOWN** to look the test result,and press **UP+DOWN** back the weighing state.

4---When the printer green led light press **START** begin printing.

Press **CONVERSINON+RESET** and show“d--ALL”.and you can delete the digits.

NINETH:TESTING EXAMPLE

A. Fabric detection

Put the sample which cutted by GSM cutter,for example it show :2.58g.then press t CONVERSINON key and when the unit show “gm1” it means the result is: 258 g/m2.。

B. The yarn density detection

Set the sample length as 100m, H set to1

Put the 100m sample yarn on the pan,if the display show :3.58g, press the CONVERSINON key when it show “TEX”,and then it will show the 35.8(no),

Press CONVERSINON when it show NM, result will show 27.933(Nm).

Press CONVERSINON when it show NE, result will show 16.28(Ne).

TENTH:NOTE

- (1) Please power on and warm up before using
- (2) Keep the max weight less than capacity,otherwise will broken the balance.
- (3) Please calibration the balance when the balance not accurate
- (4) If there are any problem,please return to factory repair.

ELEVENTH:PACKING LIST

Instruction	1	The warranty card,certificate	1
Printer instruction	1	Connecting line	1
Printer	1		

JA-SD SERIES PRECISION BALANCE

(Integrated machine)

JA-SD precision electronic balance has the functions of weighing, counting, unit conversion, storage, Calculation, print etc, this product use wide LCD screen performance is stable and reliable, simple operation, accurate weighing. Instrument widely used in textile enterprises and scientific research units. Suitable for determination of combed yarn and chemical fiber, can be set as long, of silk, yarn and sliver of automatic weighing, calculation, print.

FIRST:FUNCTIONS

- (1) The unit :OZ, Tex, Nm, Ne, D, g/m², oz/yd², g, eight units can be choose.
 - (2) Can test and store 200 sets test reports, and can delete any one or add in.
 - (3) Can print date, time, sample length, each weighing value.
- Can calculate the Min/Max/Sum/AV, CV% etc value.

SECOND:OPERATE TEMPERATURE

Range of temperature: 0°C~40°C Max Power: 10W
 Temperature fluctuation: 5°C/h Power supply: 220V±10%, 50HZ±1HZ
 Relative humidity: 50%~85%

THIRD:MODE AND PARAMETERS

MODE	CAPACITY	READABILITY	PAN SIZE
JA203SD	0~210g	1mg	Φ90

FOURTH: PREPARATION WORK

- (1) Please connect the printer with the balance by RS232C interface.
- (2) Put the balance on the stable table and do not leave near to the direct sunlight mechanical vibration place, Then put on the weighing pan and adjust the level feet to keep the balance level.

FIFTH:POWER ON

(1) Power on the balance and the printer and then the display will show "8.8.8.8.8.8", " $\bar{=}$, $\bar{=}$, $\bar{=}$, $\bar{=}$, $\bar{=}$, $\bar{=}$ ", and then go to "0.000" this weighing mode.

SIXTH:THE FUNCTION OF THE KEYS

- 1. UP+DOWN — Press these two keys at the same time, will enter the query state, and can use "UP, DOWN" to look the storage
- 2. ENTER — Enter the setting and go on next setting state.
- 3. DELET — Delete anyone storage.
- 4. CONVERSINON — Can choose the unit: OZ、Tex、Nm、Ne、D、g/m²、oz/yd²、g

- 5. PRINT — Print the result of Min/Max/Sum/AV, CV% etc value.
- 6. TARE — Its tare and go zero, And press for long time will enter the one point calibration state.
- 7. MENU -- Enter the setting menu.
- 8. CONVERSINON+RESET — Delete all storage.

SEVENTH:TARE FUNCTION

- (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.
- (4) Press the tare until it flashing "200.000" and put on the weight, then it show "=====", when it show "200.000" again, move away the weight and will show "=====" again, until display 0.000, calibration finish.

EIGHTTH:THE YARN COUNT TEST.

A. MENU SETTING:

Press **MENU**, and operate according the below setting.

ITEM	SHOW	SETTING	SETTING METHOD
STORAGE MODE	C-- A/H	A: AUTO H:MANUAL	UP,DOWN key choose , ENTER:enter and back
SAMPLE LENGTH	L-- 100	1m, 3m, 5m, 10m, 25m, 50m, 100m	
BLENDED CODE	H-- 01	Can choose: 1--12	
DATE	00.00.00d	YEAR.MONTH.DAY	
TIME	00.00.00t	HOUR.MINUTE,SECOND	

B. Yarn blended code set:

Calculate the Ne, need set the yarn blended. The upper shell not include please calculate as blow:

Ne = 590.5 (1+Metric moisture regain) / Tex(1+British official regain)

Yarn name	Pure cotton yarn	Polyester / cotton 50/50	Polyester / cotton 65/35	Polyester / cotton 55/45	Polyester / cotton 45/55	Polyester / cotton 35/65
Code-H	1	2	3	4	5	6