DIGITALSCALES ™

DigiWeigh

Electronic Balance

Model: DWP-B3003

USER MANUAL

Ⅸ. Fittings of Balance

Balance main body 1 set, external power cord 1pc, pan 1pc, operation manual 1 pc

Note: optional RS232 functions with CD-ROM and data line 1 pc.

Ⅹ. Guarantee to repair

The balance is guranteed for one year (from the date of sale) warranty period. Following no warranty:

1. Out of warranty
2. Due to incorrect use or damage caused by impact
3. Acid corrosion, damage caused by radioactive substances in the environment
4. Damages caused by arbitrary operation.

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7---- data   15---- ENTER

8---- data or radix point   16---- line feed

Ⅷ.Precautions of Use

Turn on according to the regulations before use, preheat and then calirate the balance with standard weight. Don't use the balance in explosion hazardous environments. If a failure occurs, refer to the table below:

Breakdown	Reason	Handling methods
----upper transverse line	Overload/ underload	Unload/Recalibrate
Display not stable	1. Poor working environment	improve it
	2. glass windshield is not closed	close it
	3.scrating the pan with the main body or foreign material	eliminate the foreign material
	4.item measured unstable	fix the item
display value does not match with the actual reading	1.balance is not calibrated	Caliration
	2. without zeroset before use	Press " TARE" key
	3.level is not adjusted	Adjust the level
	Battery symbol displays	Replace the battery

Ⅶ. RS232 Operation (Optional function)

Stnadard RS232 comminication interface can be optional. Sandard 9-pin RS232 cable can be used to communicate with the computer.

a. Click the "Start"/ "Programs"/ " Accessories"/ "Comunication"/ "Super terminal" on the computer screen, enter a name, select the icon, then click "OK". Just select "Connect using (N): COM1" and clikc "OK".

Choose:

1. Baud rate:9600

2. Data bits:8

3. Parity: None

4. Stop bit: 1

5. Data control: Hardware

Then click "OK" , it will display the current weight balance on the computer.

b. Data output order instructions

1---- space   9---- data or radix point

2---- space   10---- data or radix point

3---- space or *   11---- data

4---- + or *   12---- data

5---- data   13---- unit 1

6---- data   14---- unit 2

Ⅰ Key Functions of Balance

ON/OFF   switch key
UNIT   unit conversion key
PCS   counting key
CAL   calibration key
TAR   taring & zere setting key

Ⅱ Installation of Balance

Place the balance on a flat workbench, shaking of balance, flow and strong electromagnetic interference should be avoided.

III Turning On

Plug the adapter or install 4 AA batteries(4×1.5vAA battery).Press the ON/OFF key to display "888888". After "300.000"displayed, it enterinto 60 seconds count down of preheating. At last it displays 0.000g. Occurs when the upper-right corner zero "O" symbol, it means zero has stabilized.

Ⅳ. Calibration

1. Calibration should be taken after turning on and preheating for 10-30 minutes.

2. Calibration:

In the case of the balance doesn't load any object, press "CAL" calibration, after 5 seconds it display "—CAL—", release the key, later it displays "calibration weight value" is flashing. Now put the weight that value same with "calibration weight value" on the pan. After second minutes it displays "calibration weight value", remove the weight, the balance return to zero automatically after dilpays "------" again. Calibration is complete. If still slight error after first calibration, please re-calibrate according to aboved process several times or carry out linear calibration.

3. Liner Calibration

In the case of the balance doesn't load any object, press "CAL" calibration, after 5 seconds it display "—CAL—", release the key, press "CAL"key and don't release,   corresponding linear calibration values for each sections will display after approximately 5 seconds. The flashing value means value of weights shall be loaded, upon loading the displayed value is not blinking, it means that the balance has memorized segment linear nominal value. Reomove the weights and wait for next period of

flashing calibration value , then load corresponding weights value, until the balace return to zero after remove the weights, which means that the linear calibration is complete.

V.　Funtion of Counting

1.Counting
In standby mode of the balance(with the container should be peeled) it dilplays "0.000", press the "PCS" key, "10" flashes, the lower right corner displays "g" convert to "pcs". If a higher count accuracy required, in the beginning enter into count mode(displays "10" flashes), each press "CAL" key there is a value to be set (various between 10-20-50-100-150-200-250-500), then select a certain value, put the corresponding object counted, short press "PCS" key, to enter into the counting function of the value.
2. Short press the "PCS" key to exit the counting functions and restore the standby mode.

Ⅵ. Unit Conversion

Short press "UNIT" key, it display "ct', "oz", "lb", "tl", "gn", "ozt", "dwt", "g" for every press.