



TD-AW

ELECTRONIC SCALE

Operation Manual

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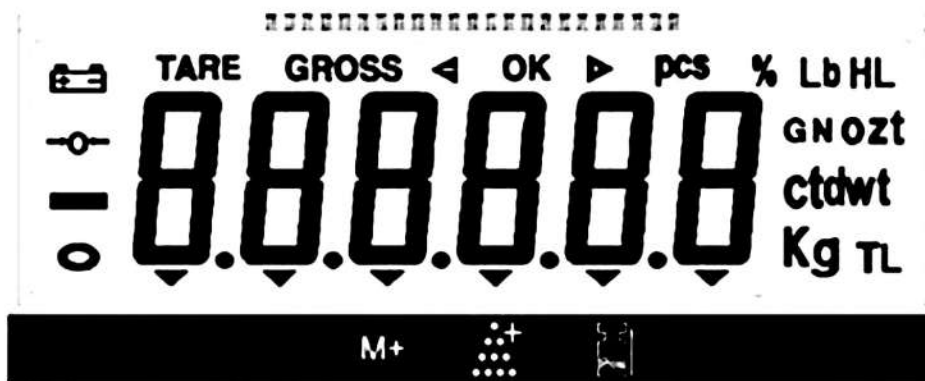
I. Major Parameter

Division Value:	1 ~ 75000
Non-linearity:	$\leq 0.01\%F.S$
Load cell excitation:	DC +3V the max input signal about 10mV
Load cell:	350 Ω
Operation keypad:	10 keys
Full capacity temperature:	≤ 8 PPM/ $^{\circ}C$
Display:	LCD, 6 digits, green backlight
Operating Temperature:	0 ~ 40 $^{\circ}C$; $\leq 85\%RH$ Fuse: 500mA
Power Source:	AC 110V/220V ($\pm 10\%$) + DC 4V/6V rechargeable battery

II. Special Remarks

- 1.Put the scale on a firm level surface for accurate weight readings.
- 2.Please use independent AC outlet to avoid the interference of other electrical appliances; Please don't place anything on the scale pan while power on.
- 3.Avoid the machine near the exhaust port of ventilating system.
- 4.Please warm up the machine 15–20 minutes before operation.
- 5.All goods weighed should be placed in the centre of the platform for a accurate weighing. The overall dimensions of the goods being weighed should not exceed the dimension of the plaster.

III. Display Explanation



: Low battery indication

: Zero indication

: Stable indication

: Negative indication

TARE : the scale in tare model

Gross: Gross weight

Pcs : Counting mode

OK : The range between high and or low limit weight values

: Accumulat

: Sample too Small

: Unit Weight too Small

IV. Keyboard Function

UNITS: press this key to convert the unit, the last digit will be added 1 when input number.

COUNT : Use this key to enter the counting mode, when input number, it can be decimal point.

M+ : weight accumulation

: Calibration function

ENTER : when it in counting model, press this key to show the piece weight

CLEAR: Use this key to clear the readings entered.

 : Select backlight model: ON, OFF, AUTO


Hi LO : Preset high and low limit value warning function;
Warning while outrun the high limit value; Warning while lower than the low limit value; Warning while between low and high limit value; Warning while over of low and high limit value.

ZERO : turn the scale to zero. Range: 5%FS

TARE : subtract the container ,it shows net weight. Range: full capacity, without +9d to input number, it will remove to left digit.

V. Operation

(I) Backlight



Press  into 3 backlight mode: press "TARE" to choose below 3 backlight mode, press "ZERO" to exit.

- **AUTO**: "Auto Backlight" mode. When the weight is over 5 divisions, the backlight will be switched on.

- **ON**: Display backlight is on all the time.

- **OFF**: Display backlight is off.

(II) Calibration

Press and hold "  " key, turn on the scale, until it show "  ", press "ZERO" when it stable, it will show "0", press " **UNITS** " to add 1 on the last number; press "COUNT" to input decimal point;

press "TARE" remove to left digit; press "CLEAR" to delete the number.
After setting, put on the weight with value same as the screen display,
when the scale is stable, the calibration is finished.

(1) Recovery factory calibration value

Press ZERO → CLEAR → ENTER

It will show "-4-OK", will be normal after few seconds.

(2) Save calibration value

Press ZERO → ENTER → CLEAR

It will show "-3-OK", will be normal after few seconds.

(III) Pre-set Warning

The weight range can be preset, if exceed the weight range; the
buzzer will sound every time.

(1) Pre-set low limit value and high limit value

Press "Hi LO" to shows "- - LO - -" , press "Hi LO" to
show "0" , or the value setted before. press

"UNITS" to add 1 on the last number; press "COUNT" to
input decimal point; press " TARE" remove to left digit; press
"CLEAR"to delete the number.

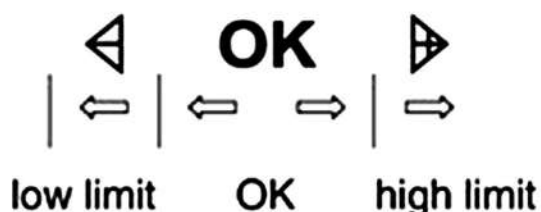
(2) Pre-set high limit value

Press the "Hi LO"key to shows "- - Hi - -" , press "Hi LO"to
show "0", or the value setted before. press "UNITS" to add 1 on
the last number; press "COUNT" to input decimal point; press "TARE"

remove to left digit; press "CLEAR" to delete the number.

Press "Hi LO" to exit.

(3) Limit warning indicators



(4) Recall the pre-set value

Press "Hi LO" when weighing, to show "—LO—", press "Hi LO" to show low limit. Press "LIMIT" to show "—Hi—", press "Hi LO" to show high limit. Press "Hi LO" to exit.

(5) Clear pre-set value

Press "CLEAR" and press "Hi LO" to show "—1—OK", the high/low limit and warning indicator will be deleted, it will be normal after few second.

VI Counting function

Press the **COUNT** key in to counting model, it will show "Sxx", press "TARE" to select the sample size (10, 20, 50, 100, 200, 500, 1000 pcs), put the sample number on the top tray, and press "ZERO" when it stable, it will shows the quantity on the top tray. Press "ENTER" when the scale in counting model, to show the sample piece weight, it will return to counting model after 2 seconds. Press "COUNT" to return weighing model.

NOTE:

<1>. SAMPLE TOO SMALL: Sample is less than 10 divisions.

(The minimum sample weight = 10d)

<2>. UNIT WEIGHT TOO SMALL: Unit weight is less than 1/5 of a division.

Under such conditions, the scale can still work, but may result in deviation.

The larger the sample size, the more accurate the unit weight.

VII Accumulating

Place the object on the top tray, press "M+" when it stable, it will show the accumulate number of weighing and accumulated weight, finally it will return to weighing model, and show accumulating indicator.

Recall the accumulated value

Press the **M+** key to recall the accumulated value.

Clear the accumulated value

Press "CLEAR", Press "M+" to show "-2-OK", the accumulated value and indicator will be cleared, it will return to normal after few seconds.

NOTE: The accumulation function can be used up to a maximum of 99 times with 6 digits maximum.


If the accumulated value over the range, it appear "over" Press "CLEAR" to exit.

VIII. Reaction Speed Settings

Press "TARE" until self-calibration finished, to show nb 0 ~ nb 3, nb 0 has the slowest response, suit for highest accuracy; nb 3 has the fastest response, suit for lowest accuracy. Default is nb 2.

IX . Power Source Illustration

Low battery warning

When  symbol appears in the lower left hand corner of the LCD display, the internal battery needs to be recharged.

If the battery is not recharged and the battery symbol flicker, the scale will switch off automatically after approximately 2 minutes.

Note: at first time to charge the battery, the LED light will turn yellow when 80% charged; the LED light will turn to green when 100% full charged, but please charge more 1~2 hours after the light turns to green at the first time.

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