


Tiger

USER MANUAL

TCT - 01



Note

1. Keep the scale dry, keep the scale away from water and rain, Clean the scale if necessary with dry cloth
2. Keep the scale away from high temperature environment and wet
3. Please recharge the scale when () is on
4. Drop and impact are prohibited
5. If the scale will not be used for a long period of time, please store the scale at dry place and recharge the scale every 3 months

Main Specifications

- | | |
|---------------------------------|----------------------------------|
| 1. Accuracy: | Class III level |
| 2. Load cell sensitivity range: | 1.5~3.0mV /V |
| 3. Nonlinear: | ≤0.01%F.S |
| 4. System working voltage: | DC:5V |
| 5. Division value: | 1/2/5 auto setting |
| 6. Large LCD display connector | Sampling serial output way |
| 7. Sample Rate: | 20 times per second (can select) |
| 8. Internal resolution: | 300000~600000 |

Power

Input: AC 120~240V

Output: DC 12V/1A

Before use

- (1) Please send this product is placed in the firm and smooth place, don't place in vibration or shaking, and using bench for use on four only adjust foot, make the products to maintain steady and level bubble to adjust horizontally
- (2) Please use independent source, avoid other electrical disturbance
- (3) Please use independent source, avoid other electrical disturbance
- (4) Please turn on 2-3minutes before using
- (5) Avoid this products placed on temperature change too large and air flow strenuous sites.
- (6) when using this product, any object must be place in the center of plate, and do not exceed plate range, to ensure the accuracy

Power consumption

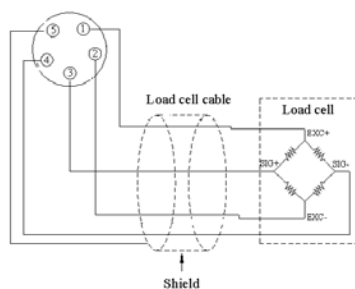
1. Approx. 25mA
2. Approx. 44mA with backlight
3. Approx. 52mA with backlight and RS232 interface
4. Battery hours per charge : approx. 160 hours(backlight off), approx. 90 hours(backlight on)

Indicator and load cell connectors

(1)The plug of load cell is 5 pins.

(2)When the indicator in power ,it is forbidden that take off the load cell plug, if take off the plug ,the indicator maybe be damaged.

(3)It is forbidden that weld the indicator , when there is thunder storm, please make solution for avoiding the thunder ,in this way ,It can protect the safe of scales and stuff



PIN 1:E+ (EXC+)

PIN 2:E- (EXC-)

PIN 3:S+ (SIG+)

PIN 4:S- (SIG-)

PIN 5: Ground

Key Function And Operate Specification

OFF : Press and hold the **OFF** key and the weight window will show “OFF” for 2 seconds then the scale will turn off automatically

ON : Press the **ON** key to turn on the scale. The scale will start self-adjusting sequence then will stabilize in 0.

UNITS : To select desired unit in setup mode

Z : To reset the weight to 0, but the displayed weight value has to be less than $\pm 2\%$ of maximum capacity

T : Tare/Preset Tare.

Tare: To subtract the container weight. Maximum tare = full capacity

Preset Tare: press the **【Tare】** key when do not place any object onto the pan, Use **0~9** number keys to key-in the desired Preset Tare weight value, press the **【Tare】** key to confirm

Clear Preset Tare : press the **【Tare】** key to clear the Preset Tare when do not place any object onto the pan

Count: piece weight setup. When place object onto the pan, use 0~9 number key and decimal **【.】** key, input piece weight, then press **【count】** key, weight window displays total weight, piece weight window display displays piece weight, total count window displays the pieces.

Sample: Use **0~9** number keys to key in the desired Sample quantity when weight window displays weight, then press the **【sample】** key, piece weight window displays

pieces, total count window displays pieces.

Count Alarm: press the **Count Alarm** key When total count window displays pieces, if total count window over 6 digits , the buzzer start to alarm;

Clear count alarm: press and hold the **Count Alarm** key, clear **Count Alarm** when buzzer beeps twice. For example: weight window displays: 10.000Kg, piece weight displays: 100g, total count window displays: 100, after press the **Count Alarm** key, weighing again ,if piece of the total count over 100,the buzzer will alarm. Set point will auto cancel when turn off the scale.

M+: total accumulated weight and total count, the max accumulation count can accumulated 99 times.

Accumulation condition can auto setup, See UF-5 function specification

PCS WT MEM: piece weight memory key. Input piece weight, press the **PCS WT MEM** key, how to memory piece weight, For example: the piece weight is 100g, use 0~9 key to input 100, press the **PCS WT MEM** key, press the **M01** key, the piece weight will memory in **M01** key, the next use, press the **M01** key, the piece weight will display 100g, after next turn on the scale , keep the last piece weight value

P1/P2: To select P1(M01-M09)and P2(M11-M18), when the LCD points to P1, means M01-M09, Press the **P1/P2** key, the LCD points to P2, means M11-M18

CE: press the **CE** key can clear the piece weight window.

MR: press the **MR** key can display total accumulation count ,total accumulated weight and total count.

Clear accumulation: press and hold the **MR** key until buzzer beeps twice, then clear accumulation

Standard Functions Setup

At weighing mode , press and hold the **T** key , then press the **M+** key , weight

window will show UF-1 , press **T** key or **Z** key to cycle select UF-1~UF-8

Display	Function	Operate Specification
UF-1	Internal value/ display battery voltage	Press M+ key to enter, weight window displays internal value(SPAN), piece weight window displays battery actual voltage, total count window displays internal value(zero),press CE key to exit
UF-2	Piece weight auto-average	Press M+ key to enter, display AAUG 1 (factory default), Use 0 and 1 keys to enable or disable auto-average function, Press M+ key to confirm, press CE key to exit AAUG 0: Disable AAUG 1: Enable
UF-3	Auto	Press M+ key to enter, Use 0~9 keys to enter auto power-off

	power-off	time. Press the【M+】 key to confirm, press【CE】key to exit。 Factory default: 00
UF-4	Backlight	Use 0~2 keys to select backlight mode. Press the 【M+】 key to confirm Lit 0: Auto light-up Lit 1: backlight on Lit 2: backlight off。 Press 【M+】key to confirm, press 【CE】key to exit。 Factory default: Auto light-up
UF-5	Accumulation	Use 0~2 keys to select accumulation conditions. Press the 【M+】 key to confirm : ACCU 0 0 A B A: 0--- Stable required 1--- Stable not required B: 0---The weight has to return to zero to accept next accumulation A: 0--- Stable required 1--- Stable not required B: 0---The weight has to return to zero to accept next accumulation 1--- The weight does not have to return to zero to accept next accumulation 2-- No tare weight to accept next accumulation Press 【M+】 key to confirm ,press 【CE】 key to exit ,factory default: ACCU 0 0
UF-6	RS-232 output	Use 0~4 keys to enter RS232 output formats. Press the 【M+】 key to confirm : 232 0 0 A B A: Baud rate setup 0 : 1200 1 : 2400 2 : 4800 3 : 9600 4 : 19200 B : output mode setup 0 : RS232 output disable 1 : Manual output (formats 2)
UF-7	A/D update rate	Use 0~2 keys to enter ADC speed, Press the M+ key to confirm : SPEED 0 : low speed SPEED 1 : standard speed

		<p>SPEEd 2 : High speed</p> <p>Press 【M+】 key to confirm ,press 【CE】 key to exit, factory default: 0</p>
UF-8	Display condition at zero	<p>Use 0~5 keys to enter condition at zero, Press the 【M+】 key to confirm :</p> <p>ZP 1 : 1 division not to display at zero</p> <p>ZP 2 : 2 division not to display at zero</p> <p>ZP 3 : 3 division not to display at zero</p> <p>ZP 4 : 4 division not to display at zero</p> <p>ZP 5 : 5 division not to display at zero</p> <p>Press 【M+】 key to confirm ,press 【CE】 key to exit ,factory default: ZP 1</p>

Selectable Weighing Unit (Factory Default kg)

Press and hold the**【M+】**key and press the**【UNITS】**key until “units 1” for kg appears. For kb and lb, press the **【TARE】** key to move to “units 2”. Press the **【M+】** key to confirm the setup and return back to regular weighing mode.

Standard Calibrations

At weighing mode, press and hold the **【Z】** key, then press the **【M+】** key, press **【T】** key or **【Z】** key to select ECF-1~ECF-3

ECF-1	Weight calibration	Press the 【M+】 key to enter, display internal value, press the 【M+】 key to calibration the zero weight after stable, Use 0~9 keys to enter the weight to be calibrated. Place the required weight mass onto the scale, press 【M+】 key to confirm the calibration procedure completed, press the 【CE】 key return to previous setup mode
ECF-2	Zero calibration	Press the 【M+】 key to enter, display internal value, press the 【M+】 key to calibration the zero weight after stable, press the 【CE】 key return to previous setup mode
ECF-3	SPAN calibration	Press the 【M+】 key to enter, Use 0~9 keys to enter the weight to be calibrated. Place the required weight mass onto the scale, Place the required weight mass onto the scale, press 【M+】 key to confirm the calibration procedure completed, press the 【CE】 key return to previous setup mode

Error Message

Weight window will show: Err n weight unstable

Weight window will show: hhhhh weight overload

Total count window will show: hhhhh pieces over display range