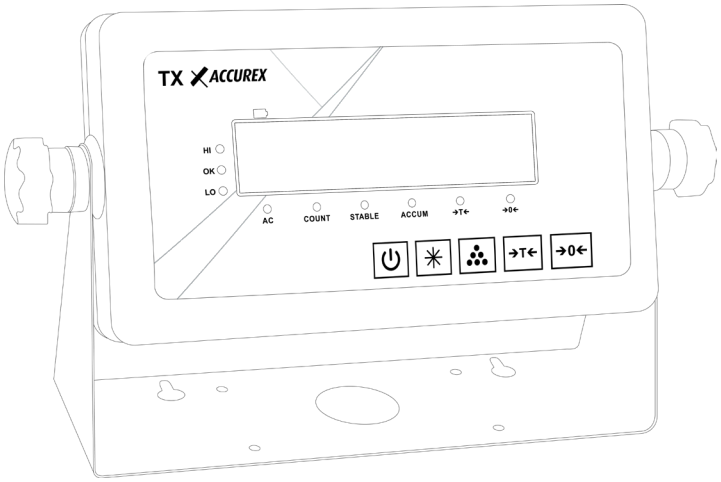
ACCUREX
TX
INDICATOR



USER MANUAL

EN

CE

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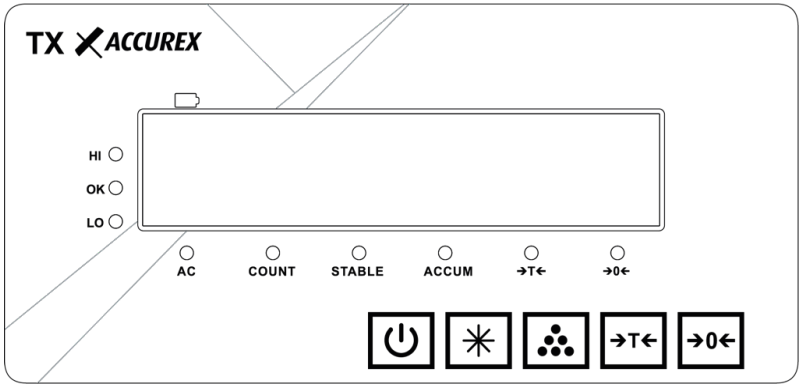
1. Main specifications

1. Model:	TX Digital Weighing Indicator
2. Sample rate:	10-20 times/second
3. Sensitivity of load cell:	1.5~3mV / V
4. Interval:	1/2/5/10/20/50 (Configurable)
5. Display:	6-digit LED display with 10 status indicators
8. Power supply:	100-240Vac/50-60Hz - 12Vdc-500mA AC/DC adapter 18659 3,7V 4000mAh Rechargeable Li-Ion Battery
9. Operating temperature:	-10~40ºC
10. Transport temperature:	-25~50ºC

2. Keyboard

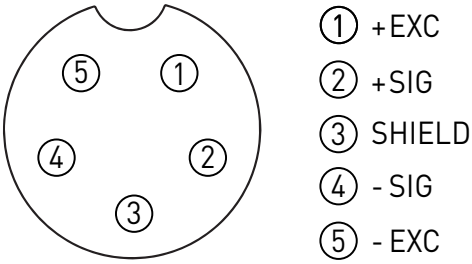
2.1. Keyboard



2.2. Keyboard function

Key	Function
⏻	Press this key to turn the display on/off.
✳	Press and hold this button for more than 5 seconds in weighing mode, you will enter user parameter setting mode; press and hold this button for less than 5 seconds, you will enter a ales weighing mode.
⁂	In weighing mode, press this button to accumulate the weight; in self-test mode, press and hold this button to enter calibration mode; in calibration process, press this button to change the parameter setting.
→T←	In weighing mode, press this button to tare; in parameter setting mode, press this button to change the parameter value.
→0←	In weighing mode, press this button to zero; in calibration process, press this button to change the value.

3. Connection of load cells to the indicator



4. Instructions for use and description

4.1. Tare

Place the load to be weighed on the scale platform, when the stability indicator lights up, press the key [→T←] to tare. The display shows zero and the net weight indicator light comes on. Remove the load and press again the key [→T←] to cancel the tare, the net weight indicator light will disappear.

4.2. Zero

Zeroing of the scale. The stability indicator must be lit. While the scale is zeroed, the zero indicator lights up.

4.3. Animal weighing function

In the parameterisation, set the value **[P 14]** to **[2]** to start the animal weighing function. Set the value **[P 14]** to **[1]** to deactivate the animal weighing function. The **[P 13]** function is the filtering force. In weighing mode, press [✳] and **[--CT--]** will be displayed, after a few seconds the scale will lock the current weight automatically; press the [✳] If the scale is reset or zeroed, the scale can go into normal weighing mode.

4.4. Accumulation function

In the weighing mode, press the [⁂] key the indicator will accumulate all the current weight, and at the same time the ACCUM indicator will light up. Press the [⁂] key again, it will go into normal weighing mode and the ACCUM light will go out; press the [⁂] key with the counter at zero, to display the current accumulated value; under the accumulation status, press [→T←] to reset to zero, press [⁂] can return to normal weighing mode and, at the same time, the ACCUM lights go out.

Note: the balance must be zeroed before the next accumulation operation. otherwise, you will not be able to perform the accumulation operation a second time.

4.5. Upper and lower limit alarm settings

Press and hold down the [→T←] key to enter the upper and lower limit function setting. **[Set_H]** is the upper limit setting, press the [→T←] key to change, press the [→0←] key to fix. Press the [✳] key to enter the lower limit setting. **[Set_L]** will be displayed, then you can press the [⁂] key to exit the setting. The upper and lower limit alarm is indicated by the indicator and the alarm buzzer sounding at the same time. You can select the alarm mode through the system setting **P4.**

Note: The upper limit value must be greater than the lower limit. If the set upper limit is less than or equal to the lower limit, the indicator shall not alarm.

5. System setup

In the weighing mode, press and hold down the [✳] key to enter the user configuration mode. Press the [→T←] key to change the value. Press the [→0←] key to enter the next parameter; when all parameters have been set, press the [✳] key to exit the user configuration mode.

Display	Function	Parameter	Instructions
[P1 1]	Change of unit	1	Unidad Kg
		2	Unit lb (last decimal point lights up)
[P2 1]	RESERVED	-	-
[P3 1]	RESERVED	-	-
[P4 1]	Upper and lower limit alarm settings	1	Deactivated
		2	Alarm above upper limits
		3	Alarm between the upper and lower limits
		4	Alarm below the lower limits
		5	Alarm outside upper and lower limits
[P5 1]	RESERVED	-	**-**
[P6 1]	RESERVED	-	**-**
[P7 1]	Zero-range tracking	1	0.5e
		2	1.0e
		3	1.5e
		4	2.0e
		5	2.5e
		6	3e
		7	5e
[P8 1]	Zero range	1	2% Max
		2	4% Max
		3	10% Max
		4	20% Max
		5	100% Max

Display	Function	Parameter	Instructions
[P9 1]	Initial zeroing configuration	1	2% Max
		2	4% Max
		3	10% Max
		4	20% Max
		5	100% Max
		6	Disabled
[P10 1]	Digital filter time intensity	1	Fast
		2	Intermediate
		3	Low
[P11 1]	Time of stability	1	Fast
		2	Intermediate
		3	Low
[P12 1]	Range of stability	1	Low
		2	Medium
		3	High
[P13 1]	Setting the animal weighing function	1	Low
		2	Medium
		3	High
		4	Very high
[P14 1]	Animal weighing function enabled/ disabled	1	Disabled
		2	Enabled
[P15 1]	RESERVED	-	-

6. Failure and correction

Display	Instructions
Err1	The AD value is too small when calibrated or the load cell capacity is too large.
Err2	Zero point is out of range when calibrating.
Err3	The zero point is out of range at start-up or there is too much weight on the scale.
Err5	No load is detected when calibrating the scale.
Err7	Incorrect load cell signal, check the wiring.
Err8	The load cell signal is not stable.

7. Use of battery

- The battery charging is done while the indicator is connected to a 220Vac socket.
- The voltage indicator flashes to indicate low battery, please connect the power cable to charge the device.
- When the electronic scale displays the message LOB (“low battery”) the weighing function will stop. Please immediately switch off the equipment and plug it into a 220Vac socket to recharge the battery.
- It is recommended that before the first use the battery charging time is longer than 24h to ensure that the battery meets safe and stable working conditions.
- It is recommended to charge immediately when the battery is low as failure to do so may damage the battery and shorten its life. It is recommended that the charging time is longer than 12h. If the battery is not used for a long time, it should be recharged every two months for about 20-24 hours to protect the battery from damage and prolong the life of the battery.

Caution: The battery cable must not be reversed (red +, black -), otherwise the device may burn out. When using the device for the first time, make sure that the battery is fully charged.

8. Maintenance and precautions

- In order to extend the life of the weight indicator it should not be installed in direct sunlight.
- Avoid installing the scale in humid environments and keep it isolated from severe vibrations.
- Do not use strong solvents such as benzene and nitro based oils to clean the housing.
- Avoid spraying liquid on the indicator to prevent damage and electric shock.
- The battery incorporated in the electronic scale is a consumable and is not covered by the warranty.

9. Calibration instructions

In the off state, press and hold the [✳] key to open the display, until the weight window shows **[d X]** release the key to enter the calibration procedure. The calibration procedure is as follows:

9.1. Press the [→0←] key to set the value of the division.

Display	Parameter
[d X]	1
	2
	5
	10
	20
	50

9.2. Press the [✳] key to enter the decimal point setting menu. Press the [→0←] key to set the decimal point at the desired location.

Display	Parameter
[P X]	0.
	0.0
	0.00
	0.000

9.3. Press the [✳] to enter the Maximum Capacity setting. Press to change digit, press the [→0←] key to change the value.

Display	Parameter
[FULL]	Press the [→T←] key to enter the maximum capacity setting.
[2000.0]	Press the [→T←] key to move the digit from left to right. When the number flashes, press the [→0←] key to add 1 value to the flashing number until the corrected number is displayed.

9.4. Press the [✳] key to access the zero adjustment option.

Display	Parameter
[noLoAd]	Wait for stable light to enter the next step.

9.5. Press the [✳] key to access calibration with a known weight.

Display	Parameter
[noLoAd]	Press the [→T←] key to enter the value of the load at which the adjustment is to be made.
[00000.0]	The last digit blinks.
[200.0]	Press the [→T←] key to change digits. Press the [→0←] to change the value of each digit. Repeat this operation until the weight of the load to be calibrated is shown on the display.

9.6. Press [✳] key to complete the adjustment.

Display	Parameter
[End]	Finish adjustment.

9.7. Press the [→0←] key the indicator will store the calibration in its internal memory and return to weighing mode.

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