

XK3190-B1

Digital Weighing Indicator

User Manual



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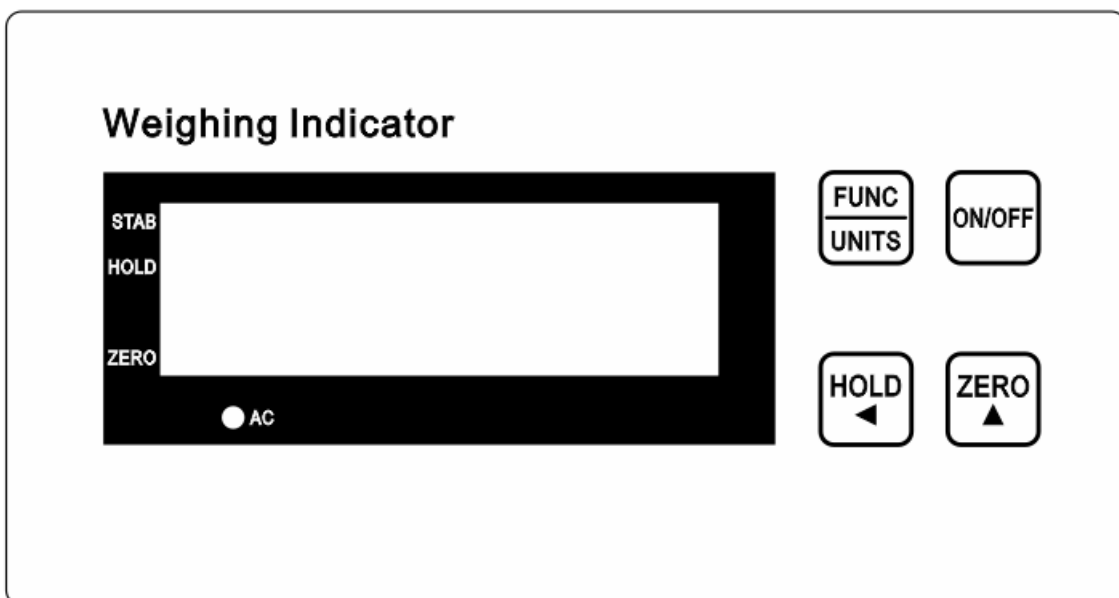
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I . Main specification

1. Model: XK3190-B1 Digital weighing indicator
2. Accuracy: Class 3 N=3000
3. Sample Speed: 10 times/sec
4. Load cell sensitive range: 1.5~3mV / V
5. Division: 1/2/5/10/20/50 optional
6. Display: 6 bits LCD/LED display
7. Keypad: With 4 mechanical buttons
8. PC power supply: 3.7V/2000MAH lithium battery 5V charger
9. Operating temperature -10~40°C
10. Humidity: ≤85%RH
11. Transporting temperature: -25~55°C

II .Keypad instruction

1Panel diagram



2 Keypad instruction

Button name	Function
【ON/OFF】	Turn on/off key

【FUNC/UNITS】	Long press this key to enter setting.Short press this key to switch kg/lb
【HOLD】	Long press this key to hold the weight value;press this key to shift when calibration;Press this ke to add value 1 in system settings.
【ZERO】	In the weighing mode,press this key to execute zero operation During calibration,press this key to add value 1

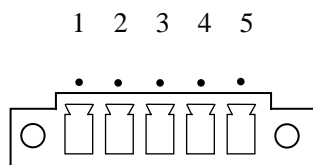
III.Connection Interface

1. The loadcell is connected with 9-pin plug holder by default , some indicators use the five-pin aviation interface. The following figure mark the meaning of each pin respectively.

2. when use four-pin shielded cable, the indicator has no long line compensation by default. And the long line compensation is optional.

3.The connection between loadcell and indicator must be reliable , the shielded cable of loadcell must be connected to the ground reliably.

4. the loadcell and indicator are static electricity sensitive equipment, anti-static precautions must be taken when in use , it is forbidden to do welding operation or other strong electric operation on the weighing platform.



1、E+ 2、E- 3、S+ 4、S- 5、SHIELD
5pin air port load cell connection method

IV.General operation and instruction

1 Zero

Press **【ZERO】** when weighing is stable.It will display “0”.Now the zero point light is on.

2Unit switch

Indicator can choose unit in calibration mode.Press **【UNITS】** to switch unit between kg and lb. Switching the corresponding units will automatically adapt to the appropriate division.

3 Weight holding

Press **【HOLD】** to hold on the current weight value in weighing mode.Now the “HOLD” light is on.

V. System setting

Long press **【FUNC】** to enter user's setting mode in weighing state. Press **【HOLD】** to modify the parameter values. Press **【ZERO】** to enter next parameter setting. Press **【FUNC】** to save and exit after the parameter setting is finished.

parameter	Function	1	2	3	4	5	6	7
P1	Backlight setting	Turn off backlight	Automatically backlighting	Backlight is always on	-	-	-	-
P2	Zero point tracking	0.5e	1.0e	1.5e	2.0e	2.5e	3.0e	5.0e
P3	Filtering depth	Fast	Middle	Slow	-	-	-	-
P4	Stabl time	Fast	Middle	Slow	-	-	-	-
P5	Filtering amplitude	Low	Middle	High	-	-	-	-

VI. Troubleshooting

Failure	reason
Err1	The AD value is too small when calibrated or the load cell capacity is too large
Err5	There is no heavy weights on the platform in calibration mode
Err7	The load cell cable connection is wrong, please connect the loadcell cable in the right way.
Err8	Signal of load cell is not stable
Upper horizontal bar	Overload; Load cell is not connected or load cell connection method is wrong
Lower horizontal bar	Underload; Load cell is not connected or load cell connection method is wrong
Lob	Battery power is too low. Please charge it.

VII. Use of Battery

- 1 The indicator use Mini-usb charging interface. Charging voltage is 5V.
- 2 When indicator displaying "Lob", it means that the battery power is too low. Now you have to stop weighing function. please plug in the power to charge the indicator immediately after turning of the indicator.
- 3 When the indicator is used for the first time, please charge the battery firstly. It is recommended that the charging time should be more than 24 hours to ensure that the battery can enter a safe and stable working state
- 4 In order to avoid the battery damage and shorten the service life, it is recommended to charge the indicator immediately once the battery is in low voltage in normal use. It is recommended to charge the indicator for more than 12 hours each time. If the indicator will not be used for a long time, the battery should be charged

every 2 months. And the suggested charging time is over 12 hours each time. Because the battery will lose power itself when it is not used for a long time. In this way, the battery can be protected from damage. So the battery's service life can be extended.

VIII. Maintenance and notifications

1 In order to ensure clarity and service life of the indicator, this indicator should not be placed directly under sunshine. And location should be relatively smooth .

2 The indicator should not be used in the place, which have too much dust and shocks. Avoid use in wet environment.

3 Do not use strong solvents (such as: benzene and Nitro-based oils) to clean the cabinet.

4 It should not be injected the liquid or other conductive particles into the indicator to prevent damage and electric shock .

5 The indicator's built-in battery is a consumable. So it does not belong to warranty scope.

6 The indicator is in the warranty scope when having non-human fault in normal use and the indicator must be within one year from the date of sales. User can send the indicator to the special maintenance point or supplier together with the warranty card (same serial number). The manufacturer carries out lifelong maintenance for the equipment. This indicator is not allowed to be opened at will, otherwise it will not be guaranteed

IX. Calibration instruction

Before calibration, open the lead seal behind the indicator and unscrew the calibration screw

In the shutdown state, long press **【FUNC】** and hold the **【FUNC】** key and press **【ON/OFF】** at the same time to start the indicator. When the weight window displays **【U X】**, release the keys to enter the calibration procedure. The calibration steps are as follows:

(1) Press **【ZERO】** to select calibration unit

Display	Parameter
【U X】	Kg
	lb

Press **【FUNC】** to enter division value setting. Press **【ZERO】** to select division value

Display	Parameter
【d X】	1
	2
	5
	10
	20
	50

Press **【FUNC】** to enter decimal point setting menu. Press **【ZERO】** to set corresponding decimal point.

Display	Parameter
【P X】	0.
	0.0
	0.00
	0.000

Press **【FUNC】** to enter Max capacity setting menu. Press **【HOLD】** to enter capacity value setting. Press **【HOLD】** to shift. Press **【ZERO】** to add value 1

Display	Parameter
【FULL 】	Press 【HOLD】 to enter capacity value setting
【 2000.0】	Press 【HOLD】 to move the digit from left to right. The number flashing, then you can press 【Zero】 to add 1 value on the flashed number till the corrected number appear

Press **【FUNC】** to enter zero point calibration menu

Display	Parameter
【noLoAd】	Wait for the stable light to enter next step

Press **【FUNC】** key to enter the loading calibration setting menu

Display	Parameter
【AdLoAd】	Press 【HOLD】 to enter calibration value setting

【00000.0】	The last digit is flashing
【 200.0】	Press 【HOLD】 to shift.Press 【Zero】 to add value 1.and put the corresponding set value weight onto the scale platform。(such as 200kg weight)

Press 【FUNC】 to finishing setting.

Display	Parameter
【 End】	Calibration setting finish

When displaying “END”, push the calibration switch with the long screw unscrewed by the indicator previously to complete the calibration

Note: After calibration, lock the calibration switch and seal it again

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