



User Manual



Weighing Indicators

Applications: Electronic platform scale, weighing scale, etc.

Introduction

A/D resolution: 1000000

A/D sampling rate: 40 times/second

Excitation voltage: DC 5V

Up to 4PCS 350 Ω load cells or 8PCS 700 Ω load cells

High-resolution ($\times 10$) display mode

1. Keypad Functions

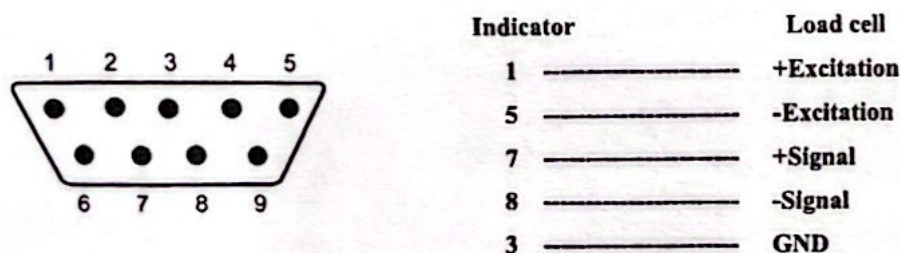
【 • 】	Function selection during normal operation and configuration.
【 →0← 】	Zero display and set zero point or enter a tare value.

2. Display Status

【 AC 】	Mains power is applied to the indicator.
【 →T← 】	A weight has been tarred and displayed the net weight.
【 →0← 】	Zero display.
【 ▲▲ 】	Weight is stable.
$\times 10$	The display is temporarily set to high resolution.
lb 【 · 0 】	The unit of weighing is lb.

3. Technical Description

3.1. Load cells to indicator DB9 pin plug



3.2. RS-232 DB9: pin 2 - Rxd Input, pin3 TXD – Output, and pin5 - Signal GND

3.3. Continuous ASCII RS-232 data output format

3.3.1. Address: Adr = 00 The ASCII data format is " =, X1, X2, X3, X4, X5, X6" <stx> =, X1, X2, X3, X4, X5, X6 <cr>

X1, X2, X3, X4, X5, and X6 are weight data. If the weight is 【 100.00 】 kg, the continuous output is = 00.001 = 00.001=

3.3.2. Address: Adr = 99 The ASCII data format is " =, X6, X5, X4, X3, X2, X1" <stx> =, X6, X5, X4, X3, X2, X1 <cr>

X6, X5, X4, X3, X2, and X1 are weight data. If the weight is 【 100.00 】 kg, the continuous output is = 100.00 = 100.00=

3.3.3. Manual and Automatic Printing Output:

Address: Adr = 01, n = 3, gross = 88.69kg, tare = 29.41kg, net = 59.28kg

No:XXXX

No: 3

G:XXXXXXkg

G: 88.69kg

T:XXXXXXkg

T: 29.41kg

N:XXXXXXkg

N: 59.28kg

3.3.4. Connecting to a printer

DB9 Pin No.	Printer DB25 Pin No.
3 (TxD)	2 (RxD)
5 (GND)	7 (GND)

4. Configuration

Connect load cells to the indicator and set following configuration parameters, in power off states, press【→0←】and turn on power, segment check, and display ,press【→0←】, display 【CAL SP】, press 【→0←】, display 【-SEt-】, press 【*】, display 【d 0.01】, the number of scale divisions selected, press 【→0←】 to select,0.001-0.002-0.005-10-20-50-100-200-500-0.10-0.20-0.50-1-2-5-0.1-0.2-0.5-0.01-0.02-0.05, press 【*】, display 【150.00】, sets F·S, press 【*】, display 【FLt 0】, sets digit Filter parameters: 0-1-2, display 【AUtP10】, set decimal digit express the choice of zero trace range (1-9): 1:0.4 d, 2:0.8 d, 3:1.2 d, 4:1.6 d, 5:2d, 6:2.4 d, 7:2.8 d, 8:3.2 d, 9:3.6 d, decimal digit express the choice of zero set, Decimal digit =0 no zero set at start operation, decimal digit ≥1 zero set at start operation 20%FS, press 【*】, display 【Adr 00】, continuous output, press 【*】, display 【b 2400】, baud rate range: 1200→2400→4800→9600, press 【*】, display 【0.00】, press to confirm configurations and go to calibration manual.

5. Calibration

Calibration should be done after setting the parameters, press 【→0←】, display 【CAL SP】 inters calibration, press 【*】, display 【CAL 00】. zero the scale, press 【*】, display 【——】 Starts zero calibration and wait for calibration to complete, display 【150.00】 load the standard weight for F·S on the platform, press 【*】, display 【——】 starts calibration and wait for calibration to complete, display 【150.00】.

6. A/D Counts Display

Press【→0←】three times, display【-A-d-】, press【*】, display【123456】, A/D counts 123456, press the 【*】 to return to weighing mode.

7. Restore Factory Settings

Press【→0←】, display 【CAL SP】, press 【→0←】, display 【-SEt-】, press 【→0←】, display 【-A-d-】, press 【→0←】, display 【FAcT】 , restore factory settings.

Factory settings: d=0.01, FS=150.00, FLt=0, AUtP=10, Adr=00, b=2400, AUt=0 and clear memory (n=0;H=0;L=0), press 【*】, display 【0.00】 return to weighing mode.

8. Select Display Mode

In normal weighing status, press 【*】 for 2 seconds, unit of weighing is lb, press 【*】 for 2 seconds, the display is temporarily set to high resolution (X10 resolution), press 【*】 for 2 seconds, display number of accumulations【n 3】, press【*】for 2 seconds, display upper 4 digits of accumulated weight 【H 0】, press 【*】 for 2 seconds, display lower 4 digits of accumulated weight 【L 1085】, press 【*】 for 2 seconds, display 【AUt 0】 set accumulation mode, press 【*】 for 2 seconds, display 【bt 95】 battery capacity, press 【*】 for 2 seconds, return to normal weighing status.

9. Input Data

Press【→0←】for long time, the digital will increase. Press【→0←】, data will move to left side.

10. Zero

When the weight is stable, press【→0←】for two seconds, display【0.00】, zero status LED

is turned on.

11. Tare and Remove Tare

11.1. Tare: When Tare status LED is off and the weight is stable, press【→0←】to acquire tare and switch to net mode, the tare status LED is turned on.

11.2. Remove tare: When Tare status LED is on, press【→0←】will switch to gross mode and removed tare. The tare status LED is off.

12. Save Power Mode (AUtP=X1)

More than 45 seconds no operation, indicator automatically reduces display brightness.

More than 30 minutes no operation, indicator automatically reduces display brightness and display【_ _ _ _ _】. When press the button or the scale weight of the platform changes, indicator automatically returns to normal weighing status.

13. Manual Weight Additions

When weight is stable, press【*】to accumulation the current weight to the total weight, the total number of accumulation will be displayed for【n 12】1.5 seconds.

14. Automatic Memory Accumulation

Press【*】of six times, display【AUt-0】set accumulate mode.

14.1.【AUt-0】: Automatic accumulation is off.

14.2.【AUt-1】: Automatic accumulation is on, accumulates when weight is added.

14.3.【AUt-2】: Automatic accumulation is on, when weight is removed if you want to set auto accumulate mode.

15. Clear Accumulation

Press【*】of three times, display【n 0】 , press【→0←】 , clear accumulate data.

16. High Resolution Display Mode

In high-resolution display mode (10 times division), the last decimal point is light on.

17. Battery Capacity

Display【bt 85】 is battery capacity.

18. Low Battery Warning

When the battery is capacity less than 20% of full charge, the low battery warning【_ _ _ _ _】 indicator is displayed. The indicator display【bAtt】 and powers down after about 2 hours. Connect the AC adapter to recharge the battery immediately.

19. Unit of Weighing: (Kg and Lb)

kg or lb is selectable. The unit of weighing is kg normally. To change it to lb is pressing and holding【*】 2 seconds at least.

20. LED Error Code

Display【OUEr】 , weight >FS+9d, display【-OUEr】 , weight<-2%FS, display【Error】 , calibration error.

Display【_ XXXX】 , battery is capacity less than 20%, display【bAtt】 , low battery warning to recharge the battery.

21. Services

We offer a full range of technical services such as on site and workshop repair, preventative maintenance and calibration facilities. ★ (Battery is not in the services range)