

## LC Series Peak Weight Indicator Instruction Manual

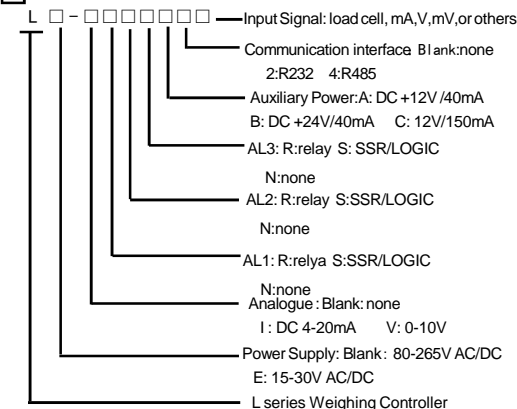
Thanks a lot for selecting **MYPIN** product!

Before operating this instrument, please carefully read this manual and fully understand its contents. If any problems, please contact our sales or distributors whom you buy from. This manual is subject to change without prior notice.

### Application

The instrument provides isolated load cell power. (regularly one 12V/40mA), connect with load cell directly, up to 6 outputs control for groups of batching or single; Data/Peak value holding function for choice. RS485 communication interface provides remote link with computer/PLC. Besides, you can Start/Pause/Accumulate/Clear tare weight/average/clear zero, etc. with external control terminal.

### Code Illustration

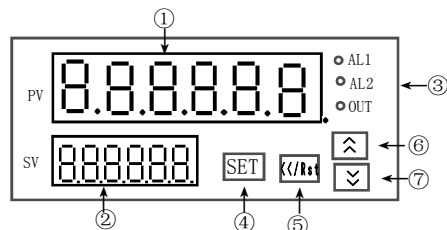


Dimension:

LC8: 4 digits, 48H\*96W\*80L mm LC85: 5 digits, 48H\*96W\*100Lmm

LC10: 4 digits, 80H\*160W\*70Lmm LC15: 5 digits, 80H\*160W\*70Lmm

### Panel



- ① Measuring value / Parameter code display
- ② Peak value / Parameter value display
- ③ Alarm 1 / 2 / 3 / output lamp
- ④ Parameters Select / Confirm key
- ⑤ Shift key / tare weight Clear key
- ⑥ Increase key
- ⑦ Decrease key

### Specifications

Power	90-260V AC/DC OR 15-30V AC/DC
Power Consumption	≤5VA
Accuracy	0.1%F.S ± 2digit
Sampling speed	LC85: ≤16times/sec LC86: 16-128 times/sec
Relay	Open contact 250V AC 3A or 30V DC 3A COS φ=1
Input	Regular: mV (Load cell) Others: mA/V or special order
Analog output	4-20mA/0-10V DC
Auxiliary Power Supply	5V DC / Max100mA
Communication	RS232 or RS485 MODBUS RTU protocol

Mounting dimensions: 91+0.5X45+0.5mm

### Parameters setting

#### 1. Parameter setting:

- A. In displaying estate, press and hold SET key >3s, enter /quit the menu.
- B. Press <</Rst key, LED flashes,
- C. Press Up / Down key to modify,
- D. Press SET key to confirm and read the following parameters one by one.

#### 2. Adjustment:

- a. well connected wires and sensor, turn the power on,
- b. Parameter 5EL setting. press UP and DOWN key >3s to enter the menu set the data in hundredth bit to 0. press SET key to confirm.
- b. Set USP=Standard weight (suggest more than 20% load cell scale) set PVF= 0000.
- c. Without any weight on the instrument, press DOWN key >5s until OK flashes. That's to set the zero point and it displays 0.0;
- d. Add the weight equal to settled USP, press UP key >5s until OK flashes. That's to set the high value, and it displays the added weight.
- e. Should big error happens, just repeat the above operation.
- f. After finish the above operation, press <</Rst key >2s to clear tare weight.
- g. Parameter 5EL setting. press UP and DOWN key >3s to enter the menu set the data in hundredth bit to 1. press SET key to confirm..

3. **Clear tare weight**: In displaying state, press <</Rst key >2s to clear, then displays 0.

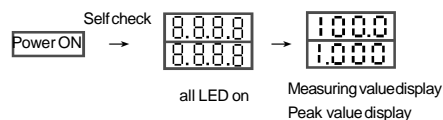
4. **Clear Peak value**: Press the back terminals RST key to clear the last peak value and display current peak value.

5. The instrument will return to the measuring estate without any operation for 25 seconds.

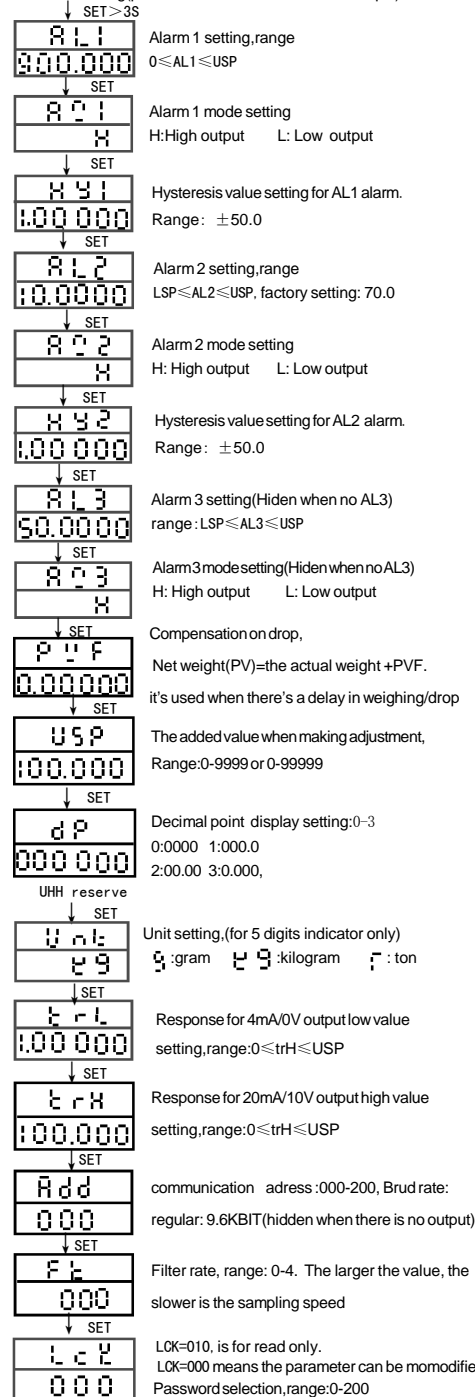
6. Decimal point setting for parameter AL1, AL2, AL3, HY1, HY2, PVF, USP tRL, rRH:

- a. press <</Rst key, LED flashes,
- b. one hand to hold SET key, and the other hand to press UP key to shift the decimal point.
- c. Press SET key again to confirm and save.

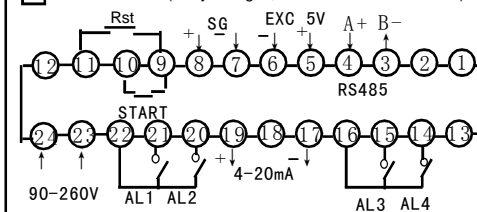
### Operation process



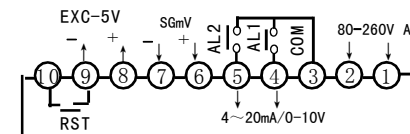
Parameter setting (press SET for 3 seconds to enter or quit)



### Connections (If any changed, refer the label on the meter).



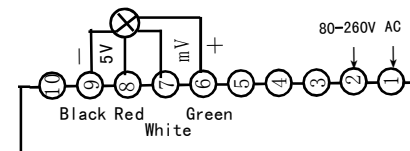
LC8 6 digits display, 48\*96\*80mm size



LC8 5 digits display, 48\*96\*100mm size

### Application examples

1. Used with LOAD cell. The instrument can supply DC 5V/40mA auxiliary power, and the sensor output is about 2mV/V. 4 load cells at most connected at the same time.



### Complete products contains

- ★ 1 copy of user manual,
- ★ 1 inspection QC label,
- ★ 2 installing brackets.

We are responsible for the overall repairment for the failure of manufacturing quality within 12 months since the date of purchase. Repair fee will be charged accordingly for damage caused by improper use. The product has life-long warranty.

On displaying estate, press UP and DOWN key for more than 3 seconds to access to parameter SEL setting. The operation steps are the same as the other settings. After setting, press UP and DOWN key to quit.

This operation is to modify SEL value ONLY. Other parameters are fixed by manufacturer. Please do not make any change.



If SEL=XXX1XX,

that means the user can't do on-site weight adjustment by pressing UP/DOWN key.

If SEL=XXX0XX,

that means the user can do on-site weight adjustment by pressing UP/DOWN key.

Note:

\*\*\*X means the original data. Do not make modification.

\*\*\*Just make modification to data 1/0

\*\*\*Factory setting is XXX0XX. After on-site adjustment, make sure SEL=XXX1XX. This is to avoid incorrect display by user's inappropriate key-pressing operation.

↓ SET



Zero point adjustment for current/volt output, 4mA/0.1V adjustable. Available when have analog output. Factory setting, do not make modification.

↓ SET



Full point adjustment for current/volt output, 20mA/10V adjustable. Available when have analog output. Factory setting, do not make modification.

↓ SET



A/D convert data when no weight on the loadcell, that is the factory setting for zero point.

↓ SET



A/D convert data when some weights on the loadcell, that is the factory setting for full point.

Note: All the above parameters are for factory setting. Do not make any adjustment.

## Adjustment for large-tonnage scale loadcell:

A. Set USP=the total weight of all input loadcells (eg. each loadcell is 1000KG, 3 loadcells in total, the total weight is 3000kg. Then set USP=3000.).

Set PVF=0.000,

B. Record the displaying value (PV1) when no weight on the loadcells (eg. 100.5kg).

C. Add the standard weight (the weight should be larger than 20% of the total loadcell weight, eg. 500kg).

Recorder the displaying value (PV2) (eg. 630kg).

D. Calculation: The actual weight added (eg. 500kg) / (PV2 - PV1)  
eg.  $500 / (630 - 100.5) = 0.9442$ .

E. Calculation: USP \* (The actual weight added / (PV2 - PV1)).  
eg.  $USP * (500 / 529.5) = 2832.86$ ,

Then set USP=2832.86 again.

F. The adjustment is finished.