

# MK-Di01-U/P



U for u type



P For P type

## General Introduction:

MK-Di01-U, used for static truck scales, supporting 1~12 pcs U protocol digital load cells

MK-Di01-P, used for static truck scales, supporting 1~16 pcs P protocol digital load cells

## hardware

- 1、power: AC switch power 110V~220V/AC;  
no DC;
- 2、LC interface: communication way: RS485;  
baud rate: 19200bps;  
transmit distance: less than 50m;
- 3、scoreboard interface: RS 232, current loop; rated baud rate is 600bps;
- 4、printing interface: ESPON LQ-300K+ II, KX-P1131, POS- 58...etc are optional;
- 5、PC communication interface way: RS232, baud rate 600~19200bps optional;

## protocol characters:

- Open protocol
- 8 bit data format, suitable for PC programming.
- Baud rate is optional, O type max to 57600.
- With function of checking LC overload record, full capacity, models...etc.
- Scalability, easy to add more function.
- Presetting all kinds of functions, like Gravity compensation and temperature compensation.
- Portability, easy to transplant to other platforms, such as CAN.

## Character 1

1. Open protocol;
2. Support U type digital LC;
3. High performance 485 communication chip;
4. LC interface have surge protection measures;
6. support auto-networking, scale group.

## Character 2

7. Support scale setting abnormal detecting
8. Auto-storage 1000 sets weighing record, no need cancel records.
9. Support PC communication interface self-detecting;
10. support RS232 and RS485 PC interface, set by software.
11. Support key diagnostic;
12. Support address checking during press angles.

## Basic function 1

- Calibration and parameter setting operated separately;
- Score board interface;
- serial communication interface;
- standard parallel print interface, customizable print format;
- Comprehensive configuration EMC electromagnetic compatibility protection measures;
- No encryption function between LC & indicator communication.
- With encryption function between LC & indicator communication (U type)
- With encryption function between LC & indicator communication (P type)

## Basic function 2

- Auto & manual adjusting of angles.
- Overload record storage and printing function.
- Digital LC code self-detecting function.
- Fast detection of digital LC condition
- Two segment values, two ranges optional
- Nonlinear correction function;
- Weighing record storage/cancel/power off protection
- Storage 500 sets truck tare weight, 1000 sets weighing records.