



Weight transmitter KM04A85

User Manual

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- Please read this manual carefully before using
- Please keep this manual properly for reference

Keli Sensing Technology (Ningbo) Co., Ltd

一、 Product Introduction

In order to further meet customer demand for this transmitter in the installation and performance, KM04A85 in the original built-in transmitter KM04A82 based on the improvement. First, KM04A85 is an external weight transmitter; Secondly, KM04A85 is a single analog input, single 4 ~ 20mA output of the external weight transmitter. The transmitter calibration must be carried out by means of special calibration software.

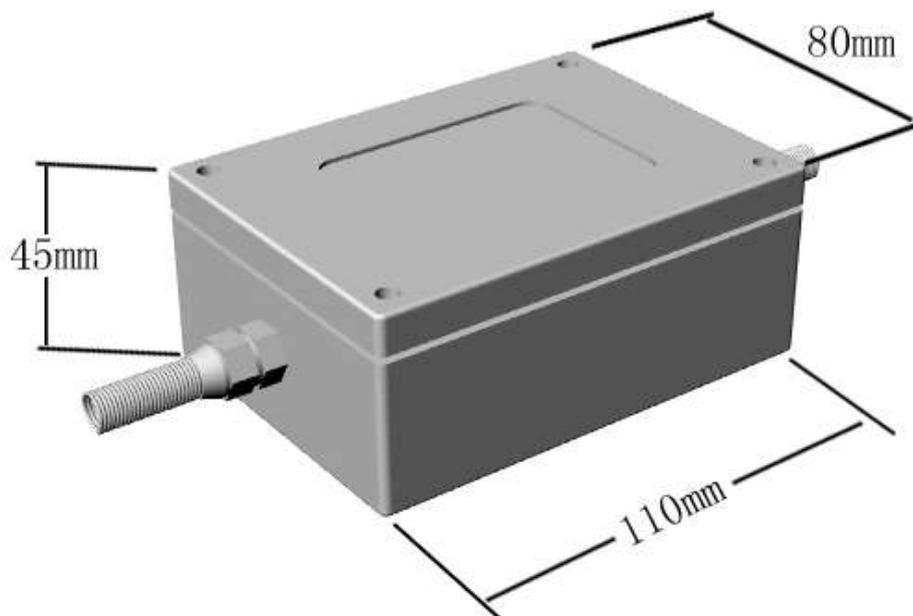
二、 Main technical parameters

- Input supply voltage: 9~30V DC
- Accuracy level: 0.1 class
- Sensor excitation power supply: 5V DC
- sensor signal range: ± 15 mV
- output signal: 4~20mA; (0-5V、0-10V、0~24mA optional,)
- Load impedance: $\leq 500\Omega$
- use temperature range: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Storage temperature range: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Housing material: Cast aluminum
- Housing protection class: IP65

! Note: The input power supply should be isolated with equipment such as motors, relays, heaters, etc. that are prone to power supply noise.

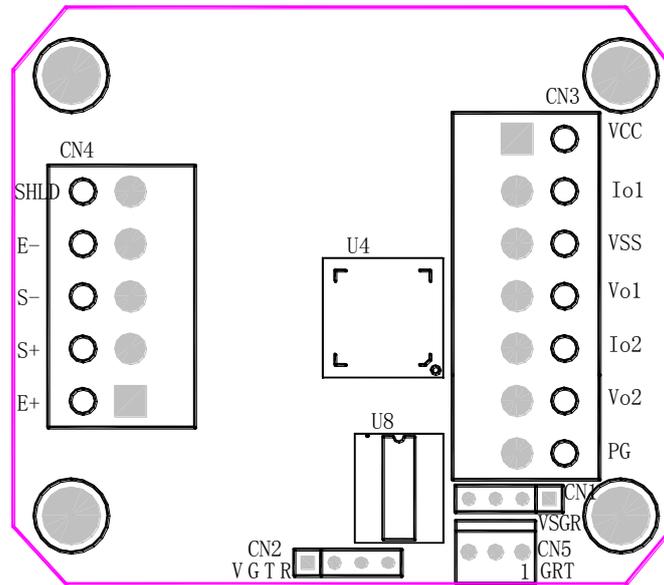
三、 Shell and size

3.1 Using cast aluminum shell, the size is:



3.2 Weight transmitter view

Open the transmitter cover, top view below:



3.3 Sensor interface CN4 SENSOR

Sensor: Select strain gauge load cell according to the module identification access (if order requirements, according to the order requirements);

Pin	description	Color
1	Excitation+ E+	Red
2	Signal + S+	Green
3	Signal - S-	White
4	Excitation- E-	Black
5	Shield SHLD	Thick black

3.4 Power interface CN3 POWER

The power supply range is DC 9V~30V (It is recommended to use DC24V voltage) 。 The pin is defined as follows:

Pin	description	Color
1	Positive power supply VCC	Red
2	Current 1 output Io1	Green
3	Negative power supply VSS	Black
4	Voltage 1 output Vo1	White
5	Current 2 output Io2	/
6	Voltage 1 output Vo2	/
7	Shield PG	Thick black

3.5 RS232Communication Interface CN5

Pin	description	Color
1	Data sender	Green
2	Data receiving end	White
3	Public land	Black

四、 Note:

- 1, before installation, please carefully check the wiring is correct, the power supply polarity is reverse.
- 2, don't haul conductor, prevent fall off.
- 3, do not violent vibration.
- 4, if you need calibration, please order special calibration data line

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