

GM-JX-M

GM Load Cell Junction Box

GM-JX-M is a four-wire load cell junction box. In addition to regulating the wiring function, it can compensate and correct the four angle deviation by adjusting the resistance value of the precision potentiometer. In some special weighing occasions when the angle deviation is so large to affect the measurement results, this junction box can effectively solve the user's problems.

OPERATING INSTRUCTION

Terminal identification

- GM-JX-M can connect with the analog or digital load cell.

①When applying to the analog load cell:

- EX+: EXCITATION +
- EX-: EXCITATION -
- SIG+: SIGNAL +
- SIG-: SIGNAL -
- SHLD: SHIELD

(When the load cell is six-wire, short-circuit the +excitation and +sense to EX+, short-circuit the -excitation and -sense to EX-.)

②When applying to the digital load cell:

- 12V+: EXCITATION +
- 12V-: EXCITATION -
- A: SIGNAL A
- B: SIGNAL B
- SHLD: SHIELD

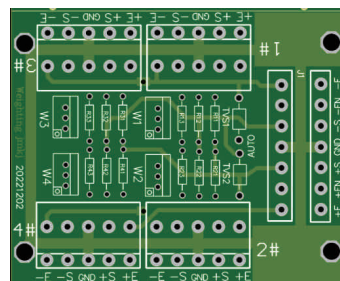
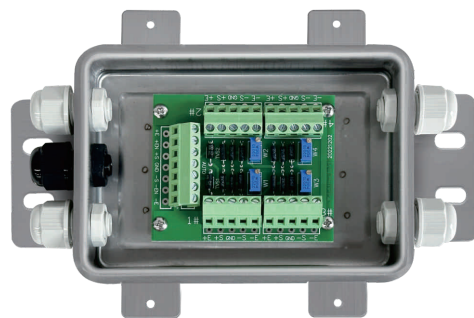
Adjustment Method

①Switches SW1-SW4 can be assigned to control the on-off of each load cell for single-channel load cell adjustment.

②Potentiometer R1-R4 can fine-tune the output signal of each load cell respectively for adjustment of the four corners of the load cell.

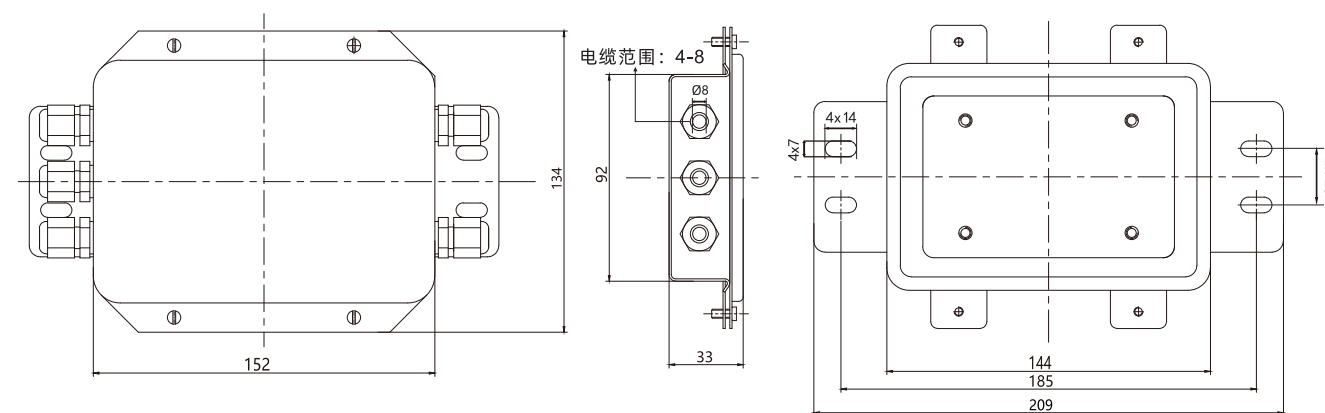
Four-Angle Deviation Adjustment Method

- Step 1:** Before adjustment, the four-channel potentiometer is gently rotated to the middle position;
- Step 2:** Fine-tune the channel with large deviation to the average value (close the other three channels when observing one channel);
- Step 3:** Repeat step 2 until the millivolt signals of four-channel are similar.



Dimensions

Unit:mm



*Specification and dimension may be upgraded, please consult sales manager for the latest info.

Connection Diagram

