

HDC-XV10 Elevator Load Weighing Device INTRODUCTION MANUAL V2.2

- Sensor output from far to near products for the need 0 ~ 12.5mm / 10 ~ 0V signal acquisition;

Sensor output from near to far products for the need 0 ~ 12.5mm / 0 ~ 10V signal acquisition;

The above two methods of work, the user must specify the order when ordering!

- **Attention:** Induction magnet is match this product special rare earth magnets, magnetic strength, the installation process must be careful; At all times to avoid the magnet is close to the high temperature of 100 °C above, lest demagnetization; The resulting loss of personal and equipment shall not be responsible for the company.

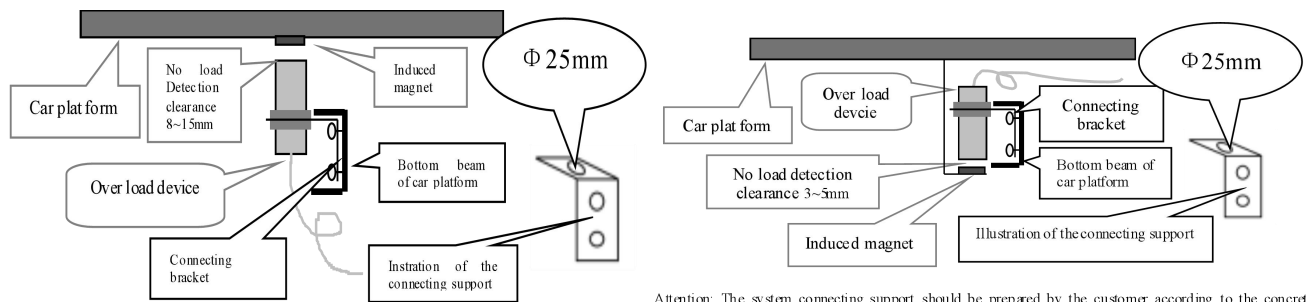
- **Main feature:**

1. Non-contact inductive way of working itself without mechanical movement;
2. Using Highly robust induction magnet, the maximum enhance system anti-jamming capability;
3. Electrical performance accords with the international electrotechnical commission (IEC) standards;
4. With functions of zero position and work instructions, small volume, convenient installation and debugging. Simple structure, low cost.

- **Technical indicators:**

1.	Application Range	Applicable to detection the clearance 0-12.5mm the corresponding output 10-0V, or detection the clearance 0-25mm the corresponding output 0-10V. signal acquisition (can be realized from effective or close to effective) The default detection direction: from nearly to far (yellow wire dangling); For change detection direction please send the yellow line short take the blue line.	
2.	Sensitivity	$\leq 1\%$ (Electrical indicators) ± 1.0	
3.	System Error	$\leq 3\%$ (5 ~ 40°C)	
4.	Output form	Brown line	DC +24V/ $\leq 50\text{mA}$
		Blue line	Com
		Black line	Signal output
5.	Working environment temperature	-20 ~ 55°C	
6.	Power Supply	DC 24V, The whole machine working current $\leq 35\text{mA}$	
7.	Overall Dimensions	$\Phi 24 \times 83$ cylinder	

● Installation method:



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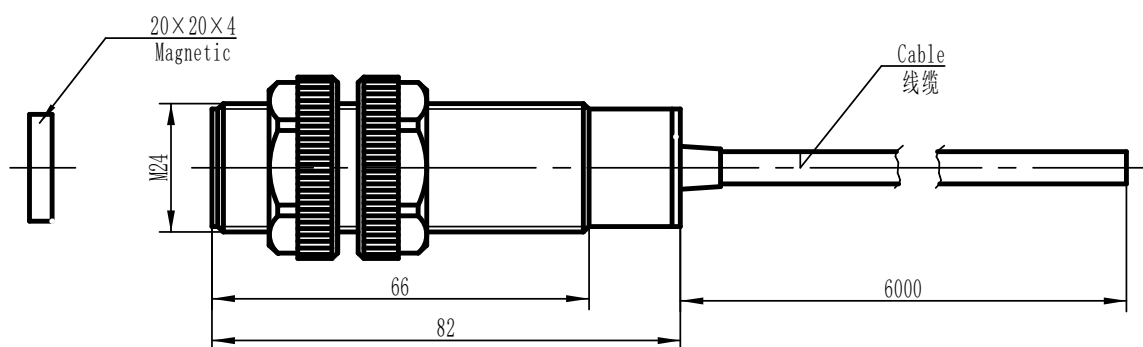
1、 Please refer to the above figure to install this device with the connecting support (made by the customer himself) close to the middle part of the car platform as near as possible..

2、 Let the magnet adhesive on the car platform with the marking-face right facing the induction point of the device.

3、 Install and adjust this device so that the magnet on the car platform aims at the center point of its upper face. Meanwhile, assure the end face of this device in parallel with that of the magnet.

4、 Electric transmission system,during the period of no load,adjust the up and down this device to make the indicator just turn from red to green,then fasten this device and the adjustment is finished.

● System wiring principle:



Attention : Output wire of this device must not be connected with external power supply to avoid everlasting damage.The company is not responsible for the resulting damage.

- **others:** Inductive magnet[20×20×4mm³] 1piece Fastening Nut 2 sets