Heryun Technology Co.,Led.

HY-CD4 Operation Manual

Thanks for using this product,Please refer to this manual for details, Avoid affecting the accuracy and damage of precision instruments.

1、HY-CD4 introduce

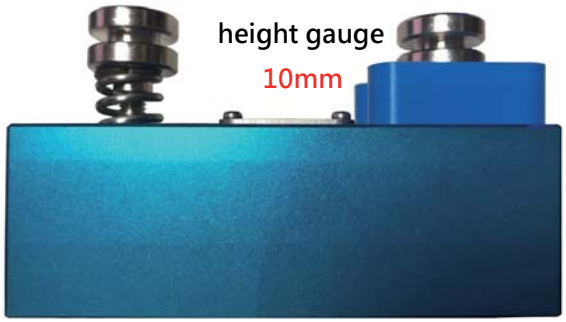
Each Tiebar has 2 magnetic sensors to measure the Tiebar stretch, 4 Tiebars display deformation, clamping force and total on the display

2、Instrument Components

Project	quantity	Function
Display	1	Display data (built-in lithium battery)
Sensor	8	One Tiebar needs 2 sensors
Cable	4	Y-type anti-EMI sensor cable
tear down	1	sensor dismantling(built-in spirit level)
Charger	1	Display charger (AC110~220V input)
height gauge	1	Sensor spring height quick gauge
Outer box	1	Lightweight ABS outer box

3、Preparations before installation

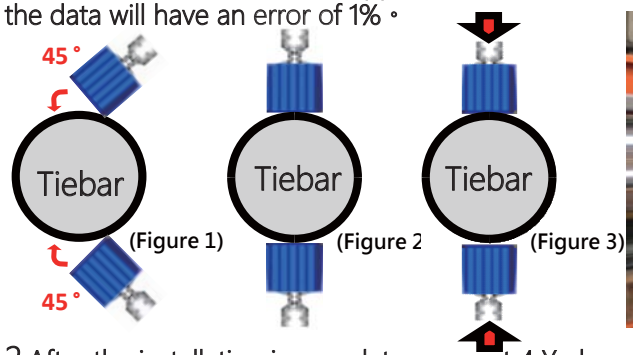
1.Use the height gauge to fit into the spring gap, Turn the buckle to make the sensor spring the same height (16 springs for 8 sensors)

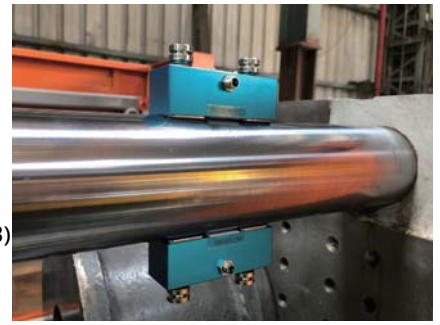


2.Wipe the Tiebar clean with a cloth (sensor location), There must be no fine sand particles left.(important) Tiebar needs to be smoothed。

4、installation steps

1.First place the sensor on the Tiebar at a 45 degree angle(Figure 1), Then place the sensor on a 0 degree plane(Figure 2) This action is to prevent the sensor from being damaged by a strong magnetic collision with the column, Press the buckle after confirming the correct position(Figure 3), Check that the sensor is secure。The angle can be confirmed with a spirit level, If the difference between the upper and lower sensors is 8 degrees, the data will have an error of 1%。





2.After the installation is complete, connect 4 Y-shaped transmission lines to 8 sensors and displays, The corresponding installation can be distinguished by color according to the position。

5、Display operation

1. ON/OFF Power
2. UNIT unit switching (Deformation、kN、Tonts)
3. RESET Data reset to zero before mold closing
4. Ø Tiebar Diameter Adjustment
5. ▼ Reduced diameter adjustment
6. ▲ Increased diameter adjustment
7. ENTER Tiebar Diameter Confirmation

Set boot priority unit : hold down UNIT、Ø、▼
Hold down the three keys, use ▲Adjustment
1=Deformation, 2=kN, 3=Tons。
Release the three buttons to complete the setting。

6、Charging and maintenance

1.The display can be used after charging for 10 minutes(The early stage is fast charge)。
2.Complete full charge time : 1~2 days (Late stage stage is slow charging)。
3.Designed for the safety of lithium batteries with three layers of charging protection,
4.Fully charged use time is about 6 hours(static)。
5.It is normal for the monitor to discharge to the point where it cannot be turned on when it is not in use.
6.When the lithium battery is lower than 5.6V, the data will be inaccurate
7.The display and sensor are precision instruments, please do not drop them。
8.The temperature resistance of the sensor is 80 degrees Celsius (Magnet degaussing)
9.Sensors can increase in impedance over time or with frequent use, It is recommended to calibrate once a year。