



Hi Rancher

ABH  
Load Bars  
**User Manual**

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Thank You for  
Choosing ABH

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# Section 1

## Thank You for Choosing ABH

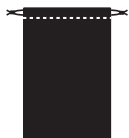
ABH is highly flexible and adaptable to various weighing methods. It be used with platforms, alleyways, crates, etc. Double deck design can protect the load cell from soil, manure and other contaminants, safeguarding the load cells and maintain a long-term weighing accuracy.

The 5m TPU/PVC cables are equipped with spring tubes to prevent damage by rodents. The double deck design, carbon steel with powder coating and high-strength cables make our bars durable for long-term use in harsh farm condition.

ABH is compatible with most indicators with no calibration required and can keep precision for long time. Each bar will undergoes rigorous testing before delivering, including 30-day sand burial test, forklift run over cable test and swing test. All these test videos can be watched on Hirancher's Youtube channel. Our commitment is to deliver better and higher-quality services to our customers.

## Section 2

### Unboxing



Black Nylon Bag



M10 Hexagon Bolt set \*4



M10 Anchor Bolt \*8



Hex key



Load Bars\*2

## Section 3

### Technical specification

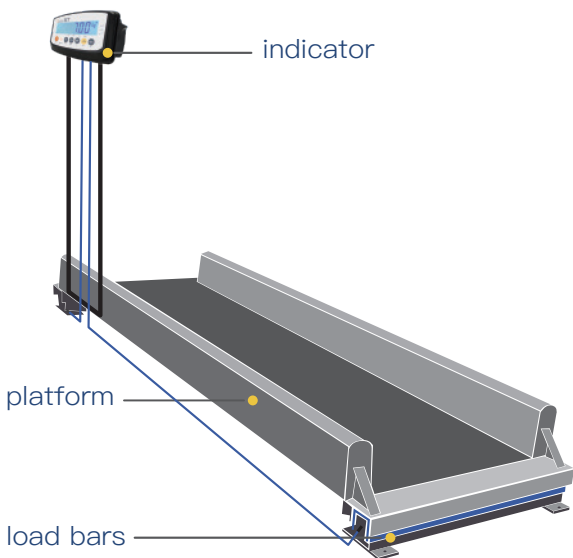
Length	400/600mm	800/1000mm
Capacity	2000kg	3000kg
Division	0.5kg   1.0lb	1.0kg   2.0lb
Weight	20/23kg	26/32kg
Package	150*440*520mm 150*440*720mm	150*440*920mm 150*440*1120mm
Materia	Carbon Steel	
Surface Treatment	Powder Coating	

Tips: Default division can be customized

## Section 4

### Weighing system

The weighing system consists of a weighing indicator and two load bars which are installed under the platform or chute. (Tips: you may also need adaptor plates for your chute.)



# Section 5

## Testing

Must test with a weighing indicator.

### Step1.

Put a test weight (which may be yourself or another people) at one end of the platform/chute and note the stable reading on the indicator.

### Step2.

Take the weight off, and put on the other end of the platform/chute and note the stable reading on the indicator.

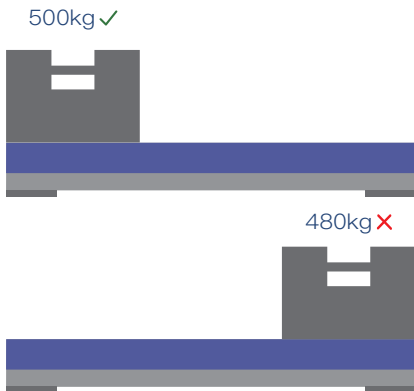
### Step3.

Remove the test weight and note whether the reading returns to zero.

### Step4.

If the two readings differ by more than 2kg or the reading does not return to zero, see the troubleshooting section.

Tips: During use, if the device has not been used for a period of time, repeat the above test before using it for the first time



# Section 6

## Installation Instruction

### Step1.

Select a horizontal and firm ground for the load bars

(Tips: Must be installed on a horizontal ground in order to weigh accurately)

### Step2.

Uplift one side of platform or squeeze chute then put the load bar below, align the load bars mounting holes with platform or squeeze chute holes, take out the M10 bolts in the accessories package, tighten them with the wrench.

### Step3.

Repeat step two for the other side.

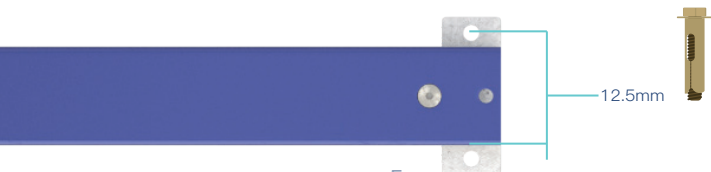
### Step4.

Secure the foot plate to the ground with anchor bolts\*8

### Step5.

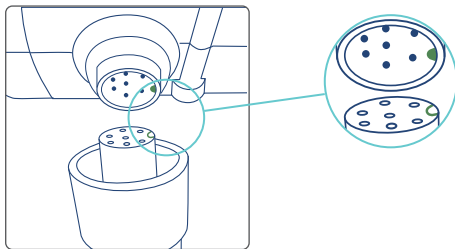
Connect the load bar to a indicator (e.g fox)

(Tips: Must connect all cables first before turning on indicator, If you turn on the indicator in advance, the display may not be zero. In that case, press the“ZERO”button to reset to zero.)



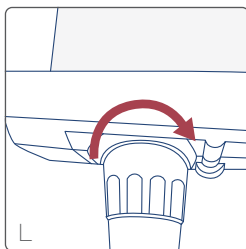
## E.G Connect with Fox Indicator

### Step1.



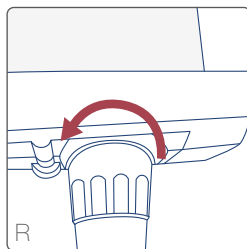
Hold the black plug and insert it into the hole. We have set up corresponding raised parts and recesses for proper alignment.

### Step2.



Turn clockwise to tighten.

### Step3.



Tighten the other end in the same manner by turning counter clockwise.

#### Tips:

1. When removing the connector, hold the connector body itself. Do not pull it out by holding the blue cable, as this may cause damage and affect the weighing accuracy.
2. After use, cover the connector with the black cap to prevent dust from entering and causing blockages, which may affect precision.



# Section 7

## Troubleshooting

Fault	Remedy
Reading does not return to zero between animals/ Difference in readings at each end of the platform/ Under reading (reading lighter than expected)	<ol style="list-style-type: none"><li>1. Ensure that the platform/chute is not touching objects that may alter the weights. Typical causes are binding against fixed metalwork or built up of dirt.</li><li>2. Check that the load bar feet are sitting evenly on the ground.</li><li>3. Check that bolt holes are not misaligned, as this may put a residual load on the load bars.</li><li>4. Recalibrate the load bars</li></ol>
Reading is unstable	<ol style="list-style-type: none"><li>1. Moisture in the load bar connector. Remove moisture from the plugs and caps using methylated spirits, ethyl alcohol, or a suitable electrical contact cleaner</li><li>2. Damaged cable.</li><li>3. Moisture in the load cell.</li><li>4. Moisture in the junction box.</li></ol>
Reading moves, display shows underload or overload.	<ol style="list-style-type: none"><li>1. Damaged cable.</li><li>2. Damaged indicator.</li></ol>

For further issues, please contact to our agency or our salesman, thanks.

# Section 8

## Further Information

1. Do not leave the indicator, load bars or plugs immersed in water.
2. Cables should be placed correctly so that they will not be damaged.
3. Regularly clean up manure and fertilizer buildup around the load bar to ensure weighing accuracy.

