

Hi Rancher

AB5T
Load Bars
User Manual



Section 1

Thank You for
Choosing AB5T

Section 2

Unboxing

Section 3

Technical Specification

Section 4

Weighing System

Section 5

Use Assembly

Section 6

Testing

Section 7

Troubleshooting

Section 8

Further Information

Section 1

Thank You for Choosing AB5T

AB5T is suitable for weighing heavier cattle and be paired with Hirancher's chute AAC and ACC. Meanwhile can be paired with most cattle chute on market. It has robust and stable structure, and passed over 30,000 swing testing to ensure long lasting durability. Afford you reliable weighing for decades.



AAC



ACC

AB5T is equipped with a 5m TPU /PVC cable which thinner but strong. It suitable for various harsh condition. The connecting wire is equipped with a spring tube as standard, which is strong and wear-resistant and able to reduce the risk of rodents gnawing on it. Even we run over the connecting cable with a forklift, it remains intact and fully function.

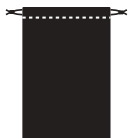


AB5T also features excellent dust-proof capability. We did 30-day sand burial test and tested under extreme rainfall condition, after test, our load bar still maintains well accuracy and fully function. You can watch these test videos on Hirancher's Youtube channel.



Section 2

Unboxing



Black Nylon Bag



M10 Hexagon
Bolt Set *8



M10 Anchor Bolt *8



Hex key



Load Bar*1

Tips: AB5T is packed in two cartons, one of which contains a load bar and all the following accessories, and the other carton only contains a load bar.

Section 3

Technical specification

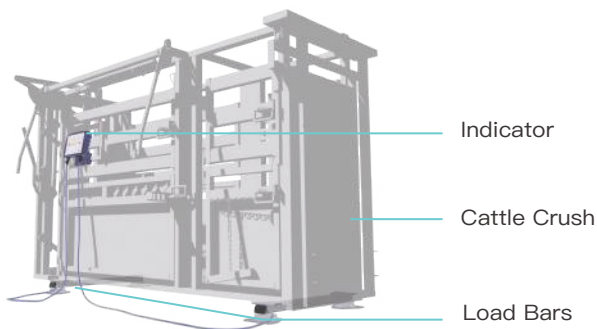
Length	1100mm
Capacity	5000kg
Division	2.0kg I 4.0lb
Weight	40kg
Package	1180*190*300mm
Material	Powder Coating
Surface Treatment	Hot-dip Galvanizing

Tips: Default division can be customized

Section 4

Weighing system

The weighing system consists of a weighting 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

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.

Lift the cattle chute from center through using a forklift (Avoid contact with installation area) and maintaining minimal clearance to slide the load bar into place.

Step3.

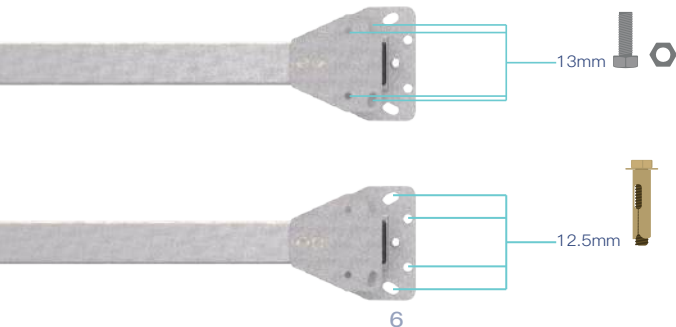
Slide the load bar into one side, align the load bars mounting holes with cattle chute hole, lower the cattle chute slowly, let it almost touch load bars, take out the M10 bolts*8 pcs, use wrench to fix the load bar at both ends with M10 bolts and nuts. Repeat step three for another one

Step4.

Carefully lower the cattle chute then depart away. Secure the foot plate to the ground with anchor bolts*8 pcs

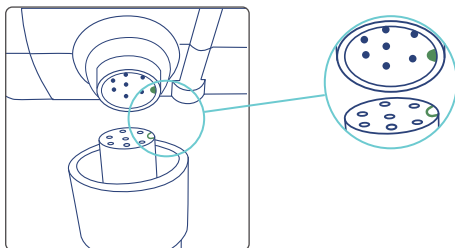
Step5.

Connect the load bar to a indicator, power on and zero the indicator (e.g fox)



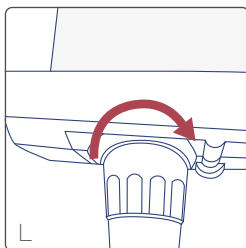
E.G Connect with Fox Indicator

Step1.



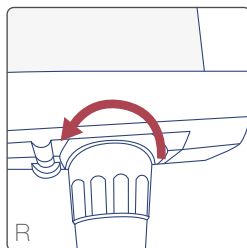
Hold the black plug and insert it into the hole. We have set up corresponding raised parts and recesses for proper alignment.

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 6

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 aperiod of time, repeat the above test before using it for the first time.



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">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.2. Check that the load bar feet are sitting evenly on the ground.3. Check that bolt hole is not misaligned, as this may put a residual load on the load bars.4. Recalibrate the load bars.
Reading is unstable	<ol style="list-style-type: none">1. Moisture in the load bar connector. Remove moisture from the plugs and caps using methylateds, ethyl alcohol, or a suitable electrical contact cleaner.2. Damaged cable.3. Moisture in the load cell.4. Moisture in the junction box.
Reading moves, display shows underload or overload.	<ol style="list-style-type: none">1. Damaged cable.2. Damaged indicator.

For further issues, please connect to our agency or our salesman, thanks

Section 8

Further Information

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

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