



Load Bars User Manual



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Thank You for Choosing ABT

ABT is highly flexible and adaptable to various weighing methods. It be used with under platforms, alleyways, crates, etc. Tubular sealed housing can protect the load cell from soil, manure and other contaminants, safeguarding the load cells and maintaining a long-term weighing accuracy.

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

ABT can compatible with most indicators with no calibration required and can keep precision for long time. We conducted various tests, 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 *4 M10 Anchor Bolt *8 M10 Hexagon Bolt Set (contain O 1) *8 for ABT1000

Load Bars*2

Hex key

Section 3

Technical specification

Length	400/600mm	800/1000mm
Capacity	2000kg	3000kg
Division	0.5kg 1.0lb	1.0kg 2.0lb
Weight	10/16kg	20/28kg
Package	150*440*520mm 150*440*720mm	150*440*920mm 150*440*1120mm
Materia	Carbon Steel	
Surface Treatment	Hot-dip Galvanizing	

Tips: Default division can be customized

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.)



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.

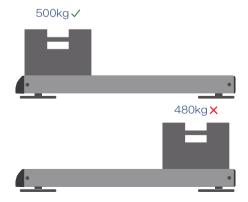
Step3.

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.



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.

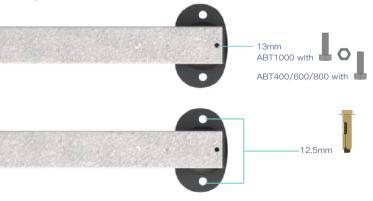
Step4.

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

Step5.

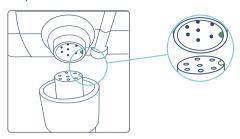
Connect the load bar to an indicator. (e.g fox)

(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.



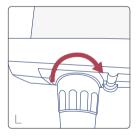
E.G Connect with Fox Indicator

Step1.



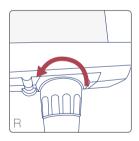
Hold the black plug and insert it into the hole. We have set up corresponding raised parts and recesses for proper alignment.

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.

Troubleshooting

Fault	Remedy
Reading does not return to zero between animals/Difference in readings at each end of the platform/Under reading (reading lighters than expected)	1. Ensure that the platform/chute is not touching objests 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 are not misaligned,as this may put a residual load on the load bars. 4. Recalibrate the load bars
Reading is unstable	1. Moisture in the load bar connector. Remove moisture from the plugs and caps using methylated spirits, ethyl alcohol, or a suitable electriacl contact cleaner. 2. Damaged cable. 3. Moisture in the load cell. 4. Moisture in the junction box.
Reading moves, display shows underload or overload.	Damaged cable. Damaged indicator.

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

Further Information

- 1. Do not leave the indicator, load bars or plugs immersed in water.
- 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.

