

***EziWeigh
3***

USER GUIDE

***EziWeigh
4***

TRU-TEST®

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Product specifications may change without prior notice.

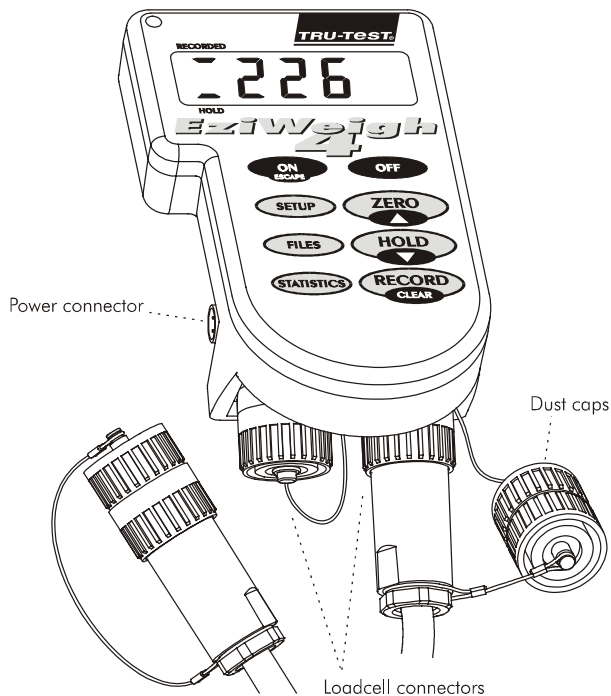
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INSTALLATION

1. Install loadbars/EziFeet under the platform on a firm, level surface (see Loadbar User Manual).
2. Mount indicator bracket in a convenient place where animals cannot knock the indicator off or chew the cables. The bracket mounts onto flat surfaces (timber rails, concrete) or pipe-work with the supplied U-bolt.
3. Connect loadbar/EziFeet cable(s) to the indicator. Connect dust caps as shown. The indicator automatically calibrates to Tru-Test loadbars or EziFeet.
4. Connect power cable (if needed).



Power connector for connecting 12 V vehicle battery (red clip to positive terminal) or Tru-Test power adaptor. To connect power adaptor, pull battery clips off indicator lead and plug lead into power adaptor lead (red to red). The power cable is permanently connected to non battery indicators.

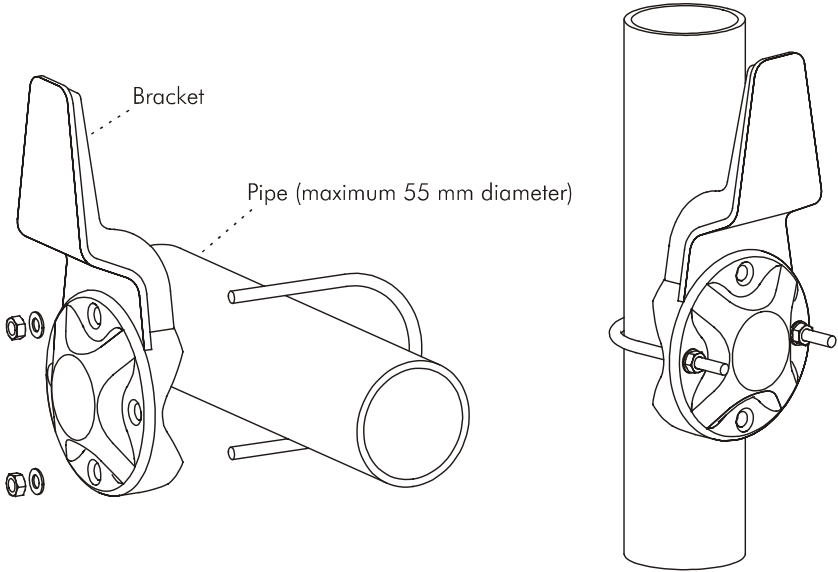
Dust caps screw together to keep out dirt and moisture when cables are connected to indicator. Screw back on indicator/cables when cables removed.

Loadcell connectors use 2 for loadbars, use 1 for EziFeet.

Note: Some EziWeighs have only one loadcell connector.

BRACKET INSTALLATION


Install on a horizontal or vertical pipe as shown, or attach to the wall using screws supplied.



OPERATION

- During weighing, check that animals are fully on the platform.
- Ensure that the underside of the platform or crate is kept clear of dirt and stones.
- Do not leave the indicator or loadbars/EziFeet in water. Store the indicator in a cool dry place.
- The indicator automatically turns off after 15 minutes of no activity, to limit discharge of the internal battery.

GETTING STARTED


1. Press .

The scale normally zeroes on power up and then displays zero weight. See Zeroing on page 14.

2. Move the animal onto the platform.




3. Wait for the stable light to come on.



4. If animal statistics are required, press .

The 'rEc'd' message should come on briefly followed by the weight. If not, the weight has not been recorded. See Display messages on page 16.

RECORDED

5. If required, when the stable light is on, press  to hold the display until the next animal comes onto the platform (or press  or ).

Ensure the statistics are cleared before recording a new group of animals. See Clear statistics on page 6.

ANNUNCIATORS

Annunciator	Function
-------------	----------

HOLD	The displayed weight is held constant at the last animal's weight until the next animal enters the platform or ON ESCAPE is pressed.
-------------	---

RECORDED	The current weight has been recorded.
-----------------	---------------------------------------



The red stable light comes on showing that the displayed weight is reliable, and accurate.



KEYS

Key	Function
-----	----------



Turns the indicator on.

Returns indicator to live display (live weight or drafting).



Turns the indicator off.



Adds the current weight to the statistics. The **RECORDED** annunciator comes on to confirm.



Clears current file data. Press **FILES**, then **CLEAR**, then **CLEAR** again to confirm, or press **ON ESCAPE** to abort the clear operation.

Undo last record. Press **STATISTICS**, then **CLEAR**, then **CLEAR** again to confirm, or press **ON ESCAPE** to abort the undo operation.



Access setup functions fine, draft, draft limit, auto zero and date.



View or select the current file.



Displays the statistics for the current file. To display Count, Total, Average, Minimum, Maximum in sequence, press **▲** or **▼**. To return to live display, press **ON ESCAPE**.



Manually zeroes the scale.



Holds the displayed weight until the next animal.



Displays next higher option.



Displays next lower option.

STATISTICS

DISPLAY STATISTICS

1. Press **STATISTICS**.

The number of animals weighed (count) is displayed.

2. Press **▲** or **▼** to display Average, Total, Minimum (Lo), and Maximum (Hi) animal weights in sequence.

3. Press **ON ESCAPE** to return to the live display.

CLEAR STATISTICS

1. Press **FILES**.

2. Press **CLEAR**.

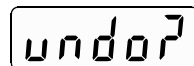
3. Press **CLEAR** again to confirm, otherwise press **ON ESCAPE**.

UNDO LAST RECORD

1. Press **STATISTICS**.

The number of animals weighed (count) is displayed.

2. Press **CLEAR**.



3. Press **CLEAR** again to confirm, otherwise press **ON ESCAPE** to return to live display without undoing the last record.



WORKING WITH FILES

The indicator has 12 general purpose files (1 per month) which store the statistics for each weighing session. In addition a file named "A" holds the statistics for "All" files combined.

Files can be identified by their date which you can optionally enter.

When the indicator is switched off, the statistical data and current file number are retained in memory.

SELECT OR VIEW A FILE

1. Press **FILES**.

The current file number is displayed. If a date has been entered for the current file, the display alternates between file number and date.

2. To select another file, press **▲** or **▼** until the required file is displayed. (If Drafting (Sorting) is on, only the 3 drafting files are available.)

3. To view the data, press **STATISTICS**.

Note: The 'All' file is used purely to view and clear the combined statistics, you cannot use it for a weighing session. See Using the 'All' file on page 9.

CLEAR FILES

This deletes the data from the current file.

1. Press **FILES**, then press **▲** or **▼** to select the required file.

2. Press **CLEAR**.

3. Press **CLEAR** again to confirm, otherwise press **ON/SCALE** to return to live display without clearing the file.

Notes: If the 'All' file is selected, an extra press of the **CLEAR** key is required to confirm that all files are to be cleared. See Using the 'All' file on page 9.

If Drafting is on, an extra press of the **CLEAR** key is required to confirm that all 3 drafting files are to be cleared.

ENTER DATE FOR CURRENT FILE

1. Press  until 'dAtE' is displayed.

dAtE


nonE

2. Press  or  to alter the day.

The month changes automatically as you go past the end of the month.

dAtE

06-07


3. Press  to return to live display.

0.0

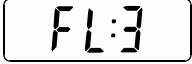
USING THE 'ALL' FILE



File 'A' is the 'All' file. It is used purely for viewing the combined statistics, you cannot use it for a weighing session.


DISPLAY STATISTICS FOR ALL FILES COMBINED




1. Press .

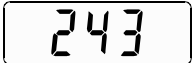
(If a date has been entered for the current file, the display alternates between file number and date.)



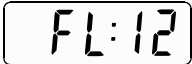

2. Press  or  until 'FL:A' (all file) is displayed.




3. Press  and then  or  to display Average, Total, Minimum (Lo), and Maximum (Hi) animal weights in sequence.

4. Press  and then  or  to re-select the working file.



5. Press  to return to live display.



Notes:

If numbers for statistics are too large to fit on the display, e.g. 534,160 kg (lb), the display alternates to show the full number.











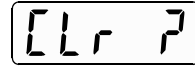
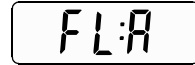

When Drafting (Sorting) is on, the only available files are the 3 drafting files. See Drafting (Sorting) page 11.

Using the 'All' file

CLEAR THE 'ALL' FILE

This deletes the statistical data from all files.

1. Press .
2. Press  or  to select the 'All' file.
3. Press .
4. Press  again to confirm, or press  to return to live display without clearing all files.
5. For final confirmation, press  again, or press  to return to live display without clearing all files.



DRAFTING (SORTING)

When weighing with Drafting (Sorting) on, the indicator separates the weights into two files:

Weights less than the draft limit.

A rectangular digital display showing the text 'FL:L' in a bold, sans-serif font.

Weights greater than the draft limit.

A rectangular digital display showing the text 'FL:H' in a bold, sans-serif font.

The combined statistics for the two groups of animals are stored in the total file.

A rectangular digital display showing the text 'FL:t' in a bold, sans-serif font.

Rather than displaying live weights, the indicator displays one of the following messages:

For zero weight.

A rectangular digital display showing the text '-00-' in a bold, sans-serif font.

For unstable weights.

A rectangular digital display showing four dashes '-' in a bold, sans-serif font.


For weights less than the draft limit.

A rectangular digital display showing the text '-Lo-' in a bold, sans-serif font.

For weights greater than the draft limit.

A rectangular digital display showing the text '-Hi-' in a bold, sans-serif font.

TURN DRAFTING (SORTING) ON OR OFF


1. Press  until 'drAFt' is displayed.

A rectangular digital display showing the text 'drAFt' in a bold, sans-serif font.

2. Press  or  to change the setting.

A rectangular digital display showing the text 'OFF' in a bold, sans-serif font.

A rectangular digital display showing the text 'drAFt' in a bold, sans-serif font.

3. Press  to return to live / drafting display.

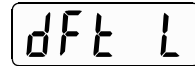
A rectangular digital display showing the text 'On' in a bold, sans-serif font.

A rectangular digital display showing the text '-00-' in a bold, sans-serif font.

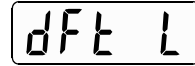
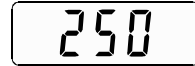
Drafting (Sorting)


SET DRAFTING (SORTING) LIMIT

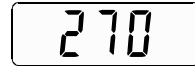
1. Press  until 'dFt L' is displayed.



2. Press  or  to change the draft limit.



3. Press  to return to live display.



Note: Changing the drafting limit during a weighing session will not affect statistic calculations. e.g. It is possible to change the draft limit from 250 kg (lb) to 270 kg (lb), and still have an accurate average for the low weight group of animals and high weight group of animals at the end of the weighing session.


Only the three drafting files are available when drafting is on.

FINE WEIGHING

Fine weighing allows precise measurement of small weights.

The resolution of fine mode is dependant on the loadcells connected. Fine mode is not available with all loadcells.


SET FINE WEIGHING ON OR OFF

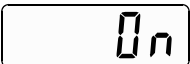
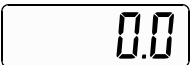
1. Press  until 'FinE' is displayed.



2. Press  or  to change the setting.




3. Press  to return to live display.

ZEROING


When Auto Zero is on, the indicator zeroes both on power up or when there is no load on the platform.

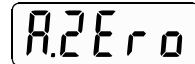
This zeroes the weight of the platform on the EziFeet and compensates for any build up of dirt up to 3 kg (6 lb).

In some circumstances this feature should be turned off. Two common examples are:

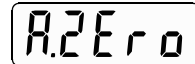
1. To avoid accidental zeroing of the user's hand pressure on the entry gate, particularly with fast throughput situations such as sheep crate weighing.
2. To avoid zeroing a partially filled bale left in a wool press when the indicator is turned off and then on again later.


TURN AUTO ZERO ON OR OFF

1. Press  until 'A.ZEr0' is displayed.



2. Press  or  to change the setting.

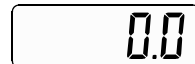
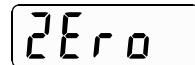


3. Press  to return to live display.



MANUALLY ZERO THE SCALE

1. Press .



Note: If auto zero is on, manual zeroing is usually unnecessary.

INTERNAL BATTERY (EZIWEIGH 4 ONLY)

The internal rechargeable battery option allows the indicator to be operated independent of any external power supply.

The internal battery comes with its own internal battery charger. See *Charging the Internal Battery* below.

Once charged the internal battery gives at least 8 hours of continuous operation at normal temperatures (0 to 45 °C) (32 to 112 °F) with EziFeet connected.

The low battery warning message 'bat' gives you enough time to record the weight of the current animal (30 seconds). The indicator may then be powered from a car battery or Tru-Test power adapter until it is convenient to recharge the internal battery.

To maximise battery life, observe the following simple guide-lines:

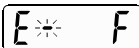
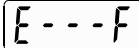
- Recharge the battery overnight before use.
- Store the indicator in a cool dry place.
- Use the recommended power supply.

CHARGING THE INTERNAL BATTERY

The internal battery charger operates from either the recommended Tru-Test power adapter or a 12 volt car battery. Damage to the indicator caused by other charging supplies, including automotive battery chargers, is not covered by the warranty.

The internal battery charger ensures maximum life of the battery, while giving the fastest charging rate possible. The battery is protected from overcharging. Charging from a flat battery takes 8 hours at temperatures from 10 to 40 °C (50 to 104 °F).

The 'Charge Level' is displayed during charging to indicate charging progress.

 is displayed at start of charging for a low battery.  is displayed when the battery is fully charged. You can safely continue charging even when the 'Charge Level' indicates full.

After prolonged storage, ensure that the indicator is charged for 16 hours (the 'Charge Level' will indicate full well before charging is complete).

You can safely leave the indicator on charge all the time.

Charging at low or high temperatures could lengthen the charging time to 16 hours. At extreme temperatures the indicator will not charge.

Never charge the indicator in direct sunlight.

DISPLAY MESSAGES

ALL ?

Clear ALL files warning. Press **CLEAR** again to confirm clear all files (not draft (sort) files).

AVERG

Average weight in a file.

A.2Er0

Auto zero option displayed.

bAt

EziWeigh 4 only. Recharge battery.

chArG

EziWeigh 4 only. Indicator battery is charging. The indicator can be used while charging.

CLr ?

Clear file warning. Press **CLEAR** again to confirm clear.

count

Count statistic (number of animals weighed in a file).

dAtE

Date displayed.

dFt L

Draft (sort) limit displayed.

dFt ?

Clear draft (sort) files warning. Press **CLEAR** again to confirm clear all draft (sort) files.

drAFt

Draft (sort) option displayed.

duPL

Animal already recorded (duplicate).

E☼ F

EziWeigh 4 only. Battery is low.

E---F

EziWeigh 4 only. Battery is fully charged. You can safely leave the indicator on charge.

Er 10

Indicator requires service. Record error number and contact your local Tru-Test Service Centre.

Er 11

Same as for 'Er 10' above.

Er 41

Same as for 'Er 10' above.

Er 42

Same as for 'Er 10' above.

Er 43

Same as for 'Er 10' above.

Er 44

Same as for 'Er 10' above.

F in E

Fine weighing option displayed.

FL:3

File 3 selected.

FL:A

'All' file selected.

FL:H

Drafting (Sorting): High file selected.

FL:L

Drafting (Sorting): Low file selected.

FL:t

Drafting (Sorting): Total file selected.

FuLL

File is full.

HIGH

Heaviest weight in file.

H.VOLT

External power supply too high. Check power supply.

lb

The weighing units are pounds.

Lo

Lightest weight in file.

Display messages

L.VoLT

External power supply too low.
Model 4 only: Voltage too low to charge battery.

nonE

No date entered.

n rEc

Not recorded. Could be unstable weight, zero or negative weight, no EziFeet connected or current file recorded with different type of loadcell.

OFF

Function is off.

On

Function is on.

oVEr

Overload. Weight on scale is greater than its capacity.

rEc'd

Weight has been recorded.

totAL

Combined weight in a file.

undo?

Undo last record warning. Press **CLEAR** again to confirm clear.

ZEro

Indicator is zeroing.

- - - - -

The indicator is ready with no EziFeet connected.

- - - -

Drafting (Sorting): Unstable load.

- 00 -

Drafting (Sorting): Zero load.

- H I -

Drafting (Sorting): Weight heavier than draft limit.

- Lo -

Drafting (Sorting): Weight lighter than draft limit.

?????

Unable to calculate statistics.

SPECIFICATIONS

Total Capacity	2000 or 3000 kg (4400 or 6600 lb) depending on loadbars/EziFeet used.
Resolution	Set to 0.5 kg (fine mode 0.1 kg) or 1 lb (fine mode 0.2 lb).
Accuracy	$\pm 1\%$ or 2 resolutions (whichever is greater) with Tru-Test loadbars/EziFeet connected.
Power supply	12 V DC (power adaptor or vehicle battery).
Operating temperature	-10 to +40 °C (+14 to +104 °F).
Storage temperature	-20 to +35 °C (-4 to +95 °F).
Internal battery run time	8 hours with 2 loadbars connected.
Environmental	IP67 (immersion in 1 m of water).

CLEANING

Clean only with warm water and soap, other cleaners may damage the case.

FCC NOTICE

The Tru-Test scale indicator has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction leaflet, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

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