

## Warrantee

- ◆ Frizzell Ltd. Warrantees the Frizzell Agricultural Electronic Scales for a period of two years from date of purchase.
- ◆ The Warrantee covers failure caused by faulty materials or assembly.
- ◆ The purchaser will be responsible for any failure caused by misuse.



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## Agricultural Electronic Scales

Owners Manual  
And Reference

Models  
FS750XF  
FS1500XF  
And computer  
compatible models



### FRIZZELL

Agricultural Electronics

Email: [sales@frizzell.co.nz](mailto:sales@frizzell.co.nz)

Web: [www.frizzell.co.nz](http://www.frizzell.co.nz)

Ph/fax: 03 318 1333

PO Box 32, Kirwee 7543

111 Tramway Road, Kirwee 7543,

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## Components Supplied.

### FS750XF & FS1500XF models

The Frizzell Agricultural electronic scale consists of:

Scale display unit housed in lockable high impact case  
Two load bars and associated cable. Or platform/  
crate.

12 Volt Charging cable

Owners Manual

230 Volt Charging Unit (FS1500XF only)

FS1500XF also has internal rechargeable battery

**Computer compatible models:** also include data  
output plug, computer connection cable and interface  
software.

## Fault Finding:

**If the unit does not perform auto check when switched on:**  
Batteries may be discharged. Connect to external battery or  
230V power supply to charge the units batteries.

See page 4.

**Note;** The sealed rechargeable battery may discharge over  
time without use. To extend battery life always keep the bat-  
tery fully charged when storing.

**Scale does not zero.** To allow the auto zero to function  
the total weight on the scales at start up must not exceed ap-  
proximately 200kg. Please contact us if you have a problem

Unit shows "Full" continuously after performing self test  
message on display: check cables from load cells for cuts or  
damage.

## Technical Details:

Operating Voltage: 12volt charge. 6.0v unit battery.

Current drain: 120ma.

Battery recharge Voltage: 9-12 volts.

Batterys: 1 x 6 volt 1.3A/hr Battery

Operation between charge: 20hours typical

Charge Time: 4 hours typical.

Weight: Display unit: 580gms

Load Cells: 6.5Kg. Depending on length.

Maximum capacity: FS 750: 750 Kg.

FS1500 : 1.5 tonnes.

## Charging the internal Batteries. FS1500

To charge the unit using a 12 volt car battery, plug the charging lead into the base of the unit.

Connect the red clip to the positive terminal of the battery and the black clip to the negative terminal. If unit is on it will display ~ symbol on left of screen.

To charge from 230 volt plug in the power pack to a 230 volt source, and plug in the lead to the charging plug on the unit. If unit is on then ~ will be displayed on left side of screen.

## Battery Replacement:

The batteries are a specialised pack, please contact us for battery replacement.

## Hints and Help

While the unit is designed to handle normal use, to maintain best accuracy do not subject the unit to impact forces or abuse. Keep the unit dry.

## Care of the Display and Load Bars:

**Water:** The display unit is designed to be splash proof. Do not immerse the display or load bars in water.

**Computer compatible models:** These Models have an RS232 serial output allowing the weight shown on the display to be downloaded to a computer Excel file.

To install software run the SDCP X.X.X.exe install program provided, putting the installed programs in either the default directory or directory of choice. Once the program is installed the icon can be dragged onto the desktop or run from the program file.

To change port or multiplier run the "Configure SDCP program.

## Introduction:

The Frizzell Agricultural electronic scale (FSxxx) is a precision electronic instrument designed to provide accurate Weight Measurements.

The instrument is suited to the measurement of a wide range of animals and commodities and to accommodate a range of crates and containers.

To get the best from your Frizzell Agricultural electronic scale it is important to correctly install the load bars and display unit, and understand the principles of good weight measurement.

## Key Features:

1) **Rugged:** The load bars and display has been constructed from steel and high impact plastic to ensure a strong, robust instrument designed for farm use.

**Simple to use.:** The unit is designed to be easy to install and operate. Once installed the unit needs no further adjustments or maintenance.

## Setting up:

1) The load bars should be securely bolted to the weighing crate or platform.

2) Ensure that the unit is set on a level pad and feet are adjusted to ensure a firm level base. Do not screw the feet fully into the unit as this may limit weighing.







3) Mount display unit securely using the saddle provided.

4) Plug in the load cells to the plug at the base of the unit.







**IMPORANT: DO NOT CONNECT SYSTEM UP TO A CAR BATTERY**

**Important: The unit is a precision electronic device: Do not abuse it. Keep the unit dry**

## Key Functions

-  Off Button
-  On Button
-  Manual Accumulate (not available on FS750XF)  
Changes indicator mode (See page 3)
-  Not Available on this model
-  Temp set to 10 times resolution (0.05kg)  
Changes weighing mode (see page 3)
-  Zero/Tare indicator




## Screen symbols



-  ~ Main Power Connected
-  →T← A weight has been tared and indicator is currently showing net weight
-  Battery less than 30% left
-  →0← Scale is Zero
-  Weight is stable
-  x10 Scale is in 10 times resolution

\*Note not all functions are available on certain models

## Weighing Mode (not available on FS750XF)

To change weigh function press  twice and then use  to cycle through weighing modes.

To view weighing totals press  n (number) shows number of animals/items weighed, press  to show number of animals in High weight category, press  to show animals in Low weight category

Press  twice to go  back to weighing

\*to  setup phone us for instructions

## Weighing mode

- AU+ 0** Manual Accumulation
- AU+ 1** Automatic Accumulation and print when weight added
- AU+ 2** Add weight when stable and print when scale is stable below 10kg
- AU+ 3** If weight more than 10kg buzzer sounds and weight is locked for 6seconds and weight is counted
- AU+ 4** When weight >10kg buzzer sounds and when weight <10kg again peak weight is locked and counted.
- AU+ 5** Same as AU+ 3 but weight not auto counted
- AU+ 6** Same as AU+ 4 but weight not auto counted