



The *Grain Brain™* is purpose designed to automatically weigh grain while being simultaneously loaded into the truck.

### Features

- Simple to install and operate
- Plus/minus 2% accuracy guaranteed
- Purpose designed for individual augers
- Accurate weighing for a wide range of crops, including wheat, barley, oats, oilseed-rape, peas, beans and linseed
- Fits over 100 different types of combine harvester, header, chaser bin or mother bin without reduced rate of discharge
- RPM indication on the display ensures better consistency
- Weight of crop displayed on a digital indicator as it is being harvested
- Batches can be printed out and saved to memory for viewing later

### Description

The *Grain Brain™* is a fully automatic weighing system, purpose designed for continuous flow auger weighing. This easy weight management system allows the user to easily monitor yield weights and truck loads.

Each system is custom built to fit individual augers, ensuring ease and speed of installation and use, while providing an accurate weighing system for a wide range of different crops.

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## Grain Brain *Easy to install and use*



### How it works

The crop passes through the *Grain Brain™* flowing over a weighing plate. An electronic load cell is mounted behind this plate, measuring the true weight of the crop. This weight is simultaneously displayed on the digital indicator in the cab.



### Simple to operate

To use the *Grain Brain™* the operator simply has to switch the weigher on at the start of the day's harvesting. The weight of every batch of grain is shown on the indicator at the same time as it is being loaded, allowing the operator to stop the load when required if necessary. The operator then knows at a glance the precise amount of grain being harvested and loaded out of the auger.



### Batch weighing

Crops can be weighed in batches, which are automatically recorded in the indicator with the crop name, time and date of weighing. At the end of the day the total cumulative weight may be saved and cleared, ready to start harvesting another crop or field. The total weight of the crop may be viewed at any time on the digital display.

### Printing

If a printer is attached, a ticket can be printed for any batch or total weight, showing the time and date of weighing, ticket number and weight.

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### Indicator Model WG1: Specification

1. Hardware: single load cell, switch to start and stop weighing cycle or rotary sensor switch to start stop weighing cycle.
2. Mode 1 Shows weight with weighing switch in off position or rotary sensor stationary. Also shows total accumulated weights in top right hand corner.
3. Mode 2 Is when switch in on position or rotary sensor switch sees pulses. The display shows accumulating weight for the current batch. Also shows the auger speed if rotary sensor connected.
4. PRINT or SAVE saves the weight currently on the screen to memory with a batch number, date and time, and prints it out. Also zeros the screen and starts a new batch.
5. The current total accumulated batch weights are automatically stored each time a batch is put into memory. The total can also be printed and cleared.
6. The indicator has 10 separate calibration memories, so that if a different grain typw requires a separate calibration it can be stored ready for use next time that grain is to be weighed.



### Indicator Model WG2: Specification

1. All operations as per WG1 plus:
2. Hardware includes two relays inside the indicator housing operated from output 1 and 2.
3. The WG2 has 2 SET POINT outputs that each provide a 12 volt DC output when the target weight is reached. These should ONLY be used to switch a 12 volt DC relay or similar low power load. Note each output can provide a maximum of 500mW (40mA).
4. The 2 outputs are provided for a 2 stage/speed fill.
5. When set point 1 is reached output 1 is activated a small message shows: 1=ON.
6. When set point 2 is reached output 2 is activated a small message shows: 2=ON.
7. The set points remain on until the batch has been saved or printed.
8. The weighing can be stopped and re-started during a batch and the set point relays will not change state. They only go to OFF when the batch is re-set.
9. The set points are set as absolute weights.
10. If either set point is set to zero it will remain OFF at all times (the set point is not in use).

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