EZ3600

Getting Started

Front panel programming

Digi-Star

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SAFETY DURING USE

⚠️ **Caution**

Check system before use
Before you are going to use the Digi-Star weighing system you need to check the proper working of the system by charging all weighing points with a known weight.
Digi-Star cannot be held responsible for deviations and problems arising from incorrect use of the weighing indicator, incorrect calibration or settings. Furthermore Digi-Star cannot be held responsible for deviations and problems arising from technical problems to the system.

Cleaning
Do not use running water (high pressure cleaners, hoses) to clean the indicator.

Charging battery and welding
During welding you need to remove the weighing bars to avoid damaging. If this is not possible, you need to place the "ground" clip as close to the welding point as possible, in order to avoid that current can flow through the weighing bars.
Digi-Star cannot be held responsible for problems arising from welding or charging of the battery.
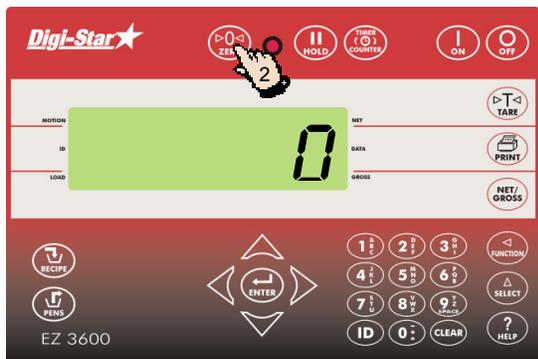
Weighing indicator

Remote display
(optional)

Disconnect all cables

J-Box
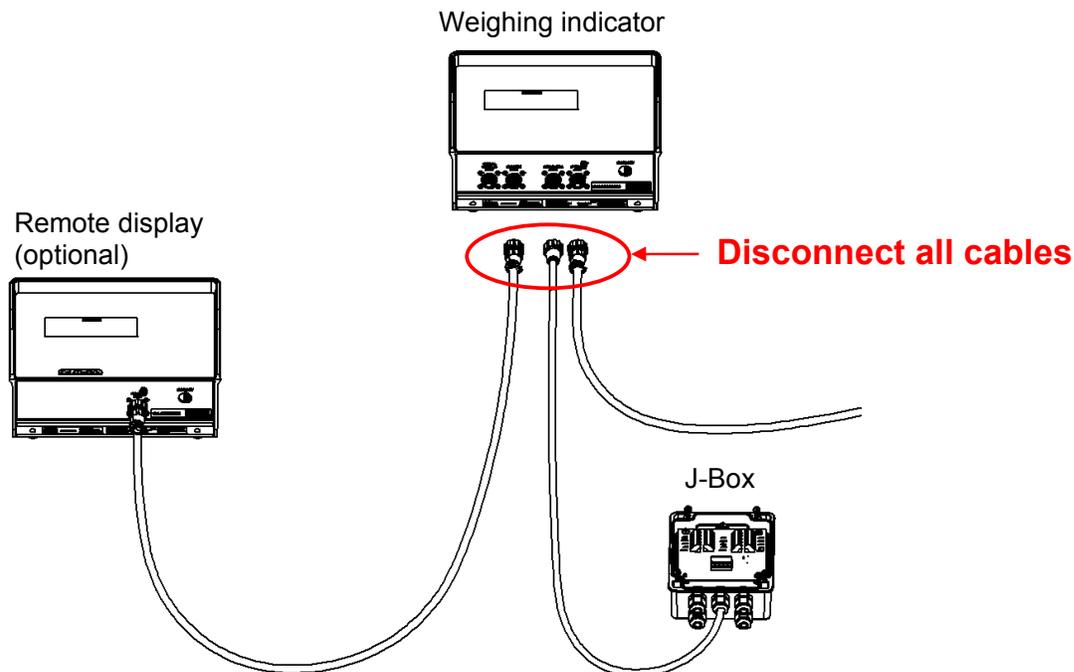
OPERATION

Switching on the weighing indicator

1. Press ⏻ .

2. Press and hold (►0◄ ZERO) for 3 seconds to zero balance the weighing indicator.

PROGRAMMING RECIPES

The ingredients in a recipe can be entered in three different ways:

1. Amount per animal (standard setting)
Enter the amount of ingredient per animal per recipe. For example, 9 kg silage and 8 kg corn. Depending on the number of animals to be fed, the weighing indicator will calculate the total amount of the ingredients to be prepared: For example, with 100 animals this will be 900 kg silage and 800 kg corn.

2. Percentage (%) per ingredient
Enter the amount of ingredient per recipe as a percentage (%). For example, 55% silage and 45% corn. The weighing indicator will calculate the total amount to be prepared per ingredient: For example, with a total weight of 1000Kg this will be 550 kg silage and 450 kg corn. Attention; the total must be 100%.

3. Amount per ingredient
Enter the required total amount of ingredient per recipe. For example, 2500 kg silage and 2000 kg corn.
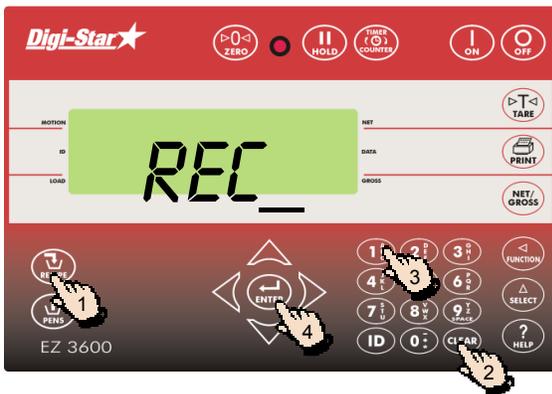
Changing the programming method
[*E-MTHD*]

1. Enter **441** and press ⟨△ SELECT⟩ .

2. Press ⟨△ SELECT⟩ repeatedly to select the required programming method for blends.

   1 = Amount per animal
   2 = Percentage (%) per ingredient
   3 = Amount per ingredient

3. Press ⟨| ON⟩ to confirm the selected programming method.

Programming a new recipe

1. Press and hold ⟨RECIPE⟩ until the weighing indicator emits a high pitched signal and *PROGRM* is displayed. The first programmed recipe or *REC__* will be displayed.

2. Press ⟨CLEAR⟩ or,

3. Enter the required recipe number.

4. Press ⟨ENTER⟩ to confirm the entered recipe number.
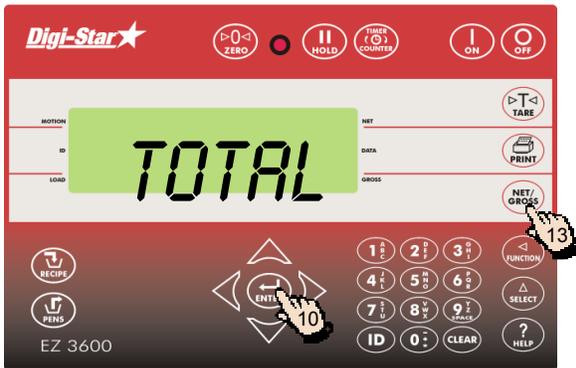

5. Use △ and ▽ to run through the list with ingredients.

6. Press ⟨ENTER⟩ to select the displayed ingredient.

7. Enter the required ingredient amount*.

8. Press ⟨ENTER⟩ to confirm the entered amount.

9. Repeat steps 5 thru 8 for the other ingredients in the recipe to be programmed.

* With the programming method *Percentage (%) per ingredient* enter 75%, for example, as 75.00 and 5.75% as 5.75.

10. Press (ENTER) to confirm the entered recipe.

11. The weighing indicator calculates and displays the total amount of the recipe (*TOTAL*).

12. Repeat steps 1 thru 11 for the other recipes to be programmed.

13. Press (NET/GROSS) to quit program mode.

Changing ingredient amounts in the recipe

1. Press and hold (RECIPE) until the weighing indicator emits a high pitched signal and *PROGRM* is displayed.

2. Press (RECIPE) repeatedly until the recipe number to be changed is displayed.

3. Press (ENTER) to select this recipe.

4. The first ingredient name is displayed, followed by *AMOUNT*.

5. Enter the new amount.

6. Press (ENTER) to save the new amount and continue with the following ingredient.

7. Repeat steps 5 and 6 for the other ingredients in the recipe.

8. Press (ENTER) to save the changed recipe.

9. Press (NET/GROSS).

Note: It is only possible to change ingredient amounts. To add new ingredients to the recipe, first delete the recipe, then program it again.

Deleting recipe

1. Press and hold ⟨RECIPE⟩ until the weighing indicator emits a high pitched signal and *PROGRM* and the first recipe number are displayed in succession.

2. Press ⟨RECIPE⟩ repeatedly until the required recipe number is displayed.

3. Press and hold ⟨ZERO⟩ until *PRESS ZERO TO DELETE RECIPE – PRESS NET/GROSS TO QUIT* are displayed.

4. Press ⟨ZERO⟩ to delete this recipe.

5. Press ⟨NET/GROSS⟩ to return to normal weighing mode.

Calling up a recipe
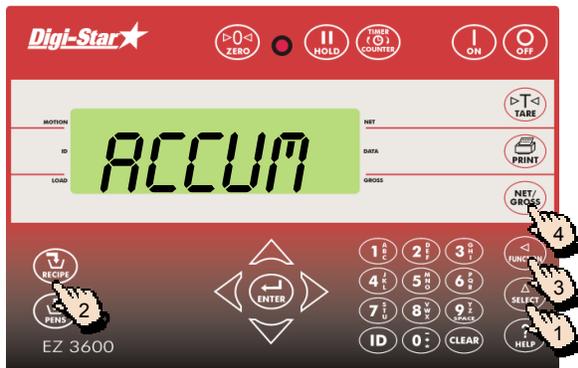
1. Press ⟨SELECT⟩ repeatedly until *ACCUM* is displayed.

2. Press ⟨RECIPE⟩ repeatedly until the required recipe is displayed.

3. Press ⟨FUNCTION⟩ to display the various ingredients in the selected recipe.

4. Press ⟨NET/GROSS⟩ to return to normal weighing mode.

LOADING AND DOSING OUT RECIPES

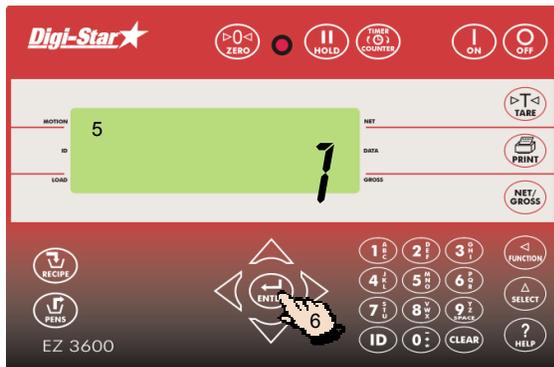## Loading recipe according to amount per animal

1. Press 🔄(RECIPE) repeatedly until the recipe to be loaded is displayed.
2. Press ↵(ENTER) to start the recipe selected.
3. The weighing indicator displays *LOAD RECIPE*.
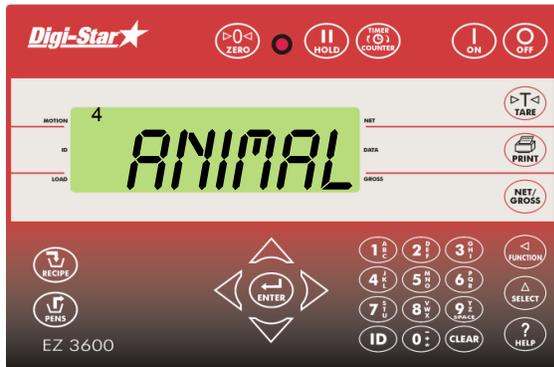
4. *ANIMAL* is displayed.

Note: If you work using a percentage per ingredient or an amount per ingredient, the total amount *TOTAMT* will be displayed.
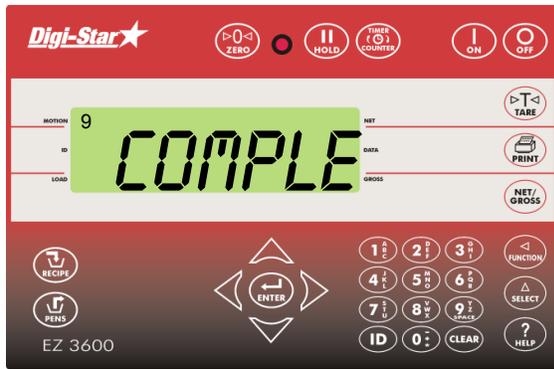

5. A flashing number will be displayed. Change this number into the number of animals to be fed.
6. Press ↵(ENTER).

7. The weighing indicator displays the name and amount of the ingredient to be loaded. As soon as the ingredient is loaded, the weighing indicator will count down to zero.
8. Press ↵(ENTER) to advance to the next ingredient.

(To set automatic advance, see page 33).

9. After the final ingredient has been loaded *RECIPE COMPLETE TOTAL LOADED XXX KG* will be displayed.

Dosing out recipe
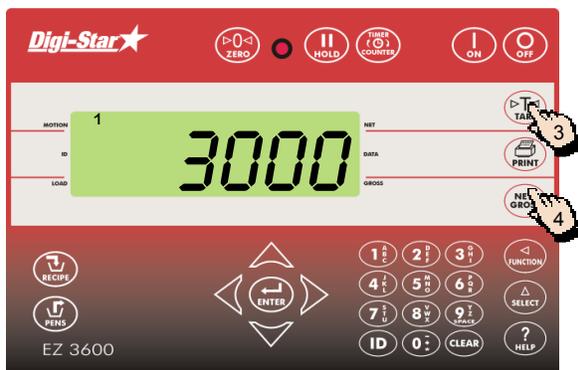
1. The display shows the total amount of loaded recipe.

2. As soon as dosing out starts the weighing indicator will count down to zero.

3. Press ⊳T⊲ TARE to temporarily set the weighing indicator to 0. This function can be used to see how much has been dosed out per group, if several groups are being fed.

4. Press NET/GROSS to read out the remaining weight at any time.

COMMONLY USED DIRECT ACCESS NUMBERS

Pre-alarm

[P-ALM]
Message when the preset amount to be loaded is almost reached.

1. Enter **401**.
2. Press (SELECT).
3. Press (SELECT) again to select WEIGHT or PERCNT.
4. Press (ON).
5. Enter the pre-alarm value in weight or percent.
6. Press (ON).

Automatically advancing ingredients

When automatically advancing to next ingredient, the weighing indicator will automatically advance to the next ingredient as soon as the current ingredient has been loaded, taking the set tolerance and delay time into account.

Tolerance

[TOLER]
Tolerance is a percentage of the desired ingredient amount. When reaching the *Desired amount* minus *Tolerance*, the weighing indicator will accept the loaded amount and automatically advance to the next ingredient, depending on the delay time.
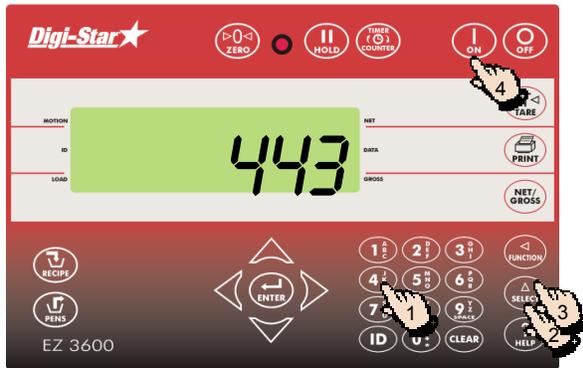

1. Enter **442**.
2. Press (SELECT).
3. Press (SELECT), until the desired percentage (tolerance) appears on the display:

   OFF, 0.5, 1 - 5, 7, OR 10.
4. Press (ON).

Delay time

[DELAY]
Enter the time that the weighing indicator should wait before advancing to the next ingredient to be loaded.

1. Enter **443**.
2. Press (SELECT).
3. Press (SELECT), until the required delay time (seconds) appears on the display: MANUAL, 1, 2, 3, 5, 7, 10, 20, 30, OR 60].
4. Press (ON).

Note: If automatically advancing to the next ingredient is not required, set this setting to MANUAL.
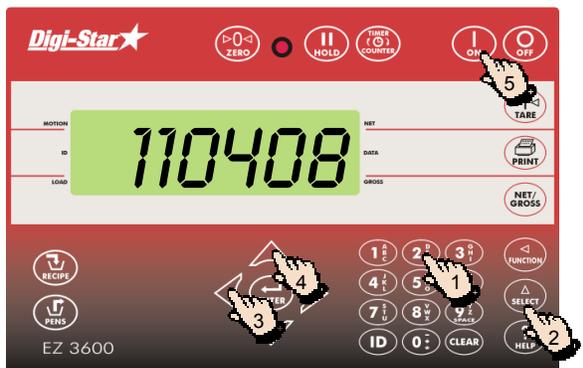
Setting the time

[TIME]

1. Enter **202.**
2. Press (SELECT).
3. Press < to move the cursor.
4. Press △ to set the time.
5. Press (ON).

Setting the date

[DATE]

1. Enter **204.**
2. Press (SELECT).
3. Press < to move the cursor.
4. Press △ to set the date.
5. Press (ON).