



USER GUIDE

millennium 5



helper M

helper X



english



MAXIMUM VISIBILITY
High-resolution colour display
Unsurpassed visibility when facing the sun

OUTSTANDING FLEXIBILITY
The printer can be fitted underneath for practical use, or installed separately wherever space dictates

THE KEYBOARD
High-contrast backlit keyboard
Mobile phone style keypad for fast editing



USB
USB port for an easy configuration, import of files and completed loads export



vprint
THE REPORTS PRINTING
- Loads carried out
- Customers loaded
- Products moved per period and daily increment



ipotweb.com
THE WIRELESS CONNECTIVITY
Receive movements in real time on your computer or into your email account



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User interface

Operator ID

Loaded weight

Product loading

Customer loading

Softkey bar

Editing keypad

Change unit of mass

Change window

Weight lifted

Loaded vehicle license plate and weight or Target on demand

USB port

Print

Subtract

Navigation keys

Zero at empty

Total delete



Icons



Yes



Start



Cancel



Find by content



Product



Target



Recipe



Target on demand input



Tip



Tool



Print system configuration



Product zero setting



Wireless files reception



No



New



Start list



Find by initials



Customer



Destination. Used on the Dumper weighing mode



Vehicle



Target on demand



Target on demand output



Confirm tip



Diagnostics



Calibration



Reset

Connectors

Sensor 2

Sensor 1

Remote keys

Tilt sensor

Swivel mounting



Printer

Power

Modem

Printer mount

Weighing zone sensor

Positioning the Device

Position the Device where desired with the handle on the mounting arm. Do not unscrew it too much or the arm disassembles into two parts.



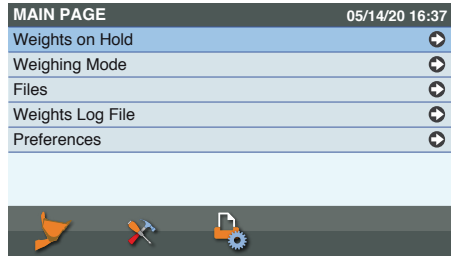
Navigation

Navigation allows you to move inside the Device's pages, confirm and enable items.

Change window



This enables you to change pages, from Weighing to Main Page, or any other page to Weighing. It is especially useful for returning quickly to the Main Page from any window by skipping through Weighing and then to the Main Page. In Files, it returns you to Weighing without changing the current item.



Navigating between windows



Next window



Previous window





Previous item

| CUSTOMERS | | 05/14/20 16:37 |
|----------------------|--------------------------|----------------|
| None | | |
| DENVER TRANSPORT CO. | <input type="checkbox"/> | |
| GRAVEL POINT LTD | <input type="checkbox"/> | |
| GREEN PLANT INC | <input type="checkbox"/> | |
| PENNY CITY | <input type="checkbox"/> | |
| RICHARDSON GAS PLANT | <input type="checkbox"/> | |
| SANDERS MATERIAL | <input type="checkbox"/> | |
| | | |



Next item

| CUSTOMERS | | 05/14/20 16:37 |
|----------------------|-------------------------------------|----------------|
| None | | |
| DENVER TRANSPORT CO. | <input type="checkbox"/> | |
| GRAVEL POINT LTD | <input type="checkbox"/> | |
| GREEN PLANT INC | <input checked="" type="checkbox"/> | |
| PENNY CITY | <input type="checkbox"/> | |
| RICHARDSON GAS PLANT | <input type="checkbox"/> | |
| SANDERS MATERIAL | <input type="checkbox"/> | |
| | | |

Confirm



Use this key to enable the check boxes and confirm a selection, for instance Customer or Product, for Weighing.

| CUSTOMERS | | 05/14/20 16:37 |
|----------------------|-------------------------------------|----------------|
| None | | |
| DENVER TRANSPORT CO. | <input checked="" type="checkbox"/> | |
| GRAVEL POINT LTD | <input checked="" type="checkbox"/> | |
| GREEN PLANT INC | <input checked="" type="checkbox"/> | |
| PENNY CITY | <input checked="" type="checkbox"/> | |
| RICHARDSON GAS PLANT | <input checked="" type="checkbox"/> | |
| SANDERS MATERIAL | <input checked="" type="checkbox"/> | |
| | | |

Editing

Editing allows you to write to a field, for instance to enter a Customer or Product name.

..1.. Enter



Select the field to edit

| CUSTOMER RECORD | | 05/14/20 16:37 |
|-----------------|-------------------|----------------|
| Name | TOWNSVILLE GRAVEL | |
| Street | | |
| Post Code | | |
| City | | |
| State | | |

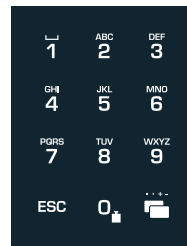


Entering Editing

| CUSTOMER RECORD | | 05/14/20 16:37 |
|-----------------|------------------------|----------------|
| Na Street | EL | |
| Str | <input type="text"/> | |
| Po | 24 characters maximum. | |
| City | | |
| State | | |

..2.. Editing

Use the keypad to edit a field.
Holding down the key edits the number directly.



Use the keys to move between characters when correcting a name or value

**C**

Use this key to delete a character or an entire name/value (when held down for a few seconds)

ESC

Use the key to quit editing without implementing the changes

..3.. Confirm

OK

Confirm the changes

A screenshot of a software interface titled "CUSTOMER RECORD" with a timestamp "05/14/20 16:37". The form contains several input fields: "Na Street" (with "EL" in a small box to the right), "Str" (containing "125 B.FRANKLIN ROAD"), "Po" (with a note "24 characters maximum."), "City", and "State". At the bottom of the screen, there are three navigation icons: a green plus sign, a red minus sign, and a white document icon with a red plus sign.

Date and Time

The date and Time can be set in System Preferences. It is important to update the Date and Time in case they change due to the calendar or time saving hour change.

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | 1 | 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Preferences



Select Preferences



Enter Preferences

| MAIN PAGE | | 05/14/20 16:37 | |
|------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |

..3.. System



Select System



Enter System

| PREFERENCES | | 05/14/20 16:37 | |
|-------------|--|----------------|---|
| Weighing | | | ↔ |
| System | | | ↔ |
| Print | | | ↔ |
| Wireless | | | ↔ |
| Tools | | | ↔ |
| Utility | | | ↔ |
| Statistics | | | ↔ |

..4.. Date and Time



Select Date and Time



Enter Date and Time

| SYSTEM | | 05/14/20 16:37 |
|-----------------|------------------|----------------|
| Language | English | ↔ |
| Date Format | DD-MM-YYYY | ↔ |
| Date and Time | 05/14/2020 16:37 | ↔ |
| Machine Code | Yes | ↔ |
| Welcome Message | Yes | ↔ |
| Loading Site | No | ↔ |
| Loading Company | No | ↔ |

..5.. Editing



Select the field to edit



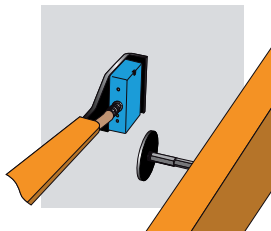
Confirm the field to edit; see Editing chapter to learn how to edit a field content

| DATE AND TIME | | 05/14/20 16:37 |
|---------------|------|----------------|
| Month | 05 | ↔ |
| Day | 14 | ↔ |
| Year | 2020 | ↔ |
| Hours | 16 | ↔ |
| Minutes | 37 | ↔ |

Weighing

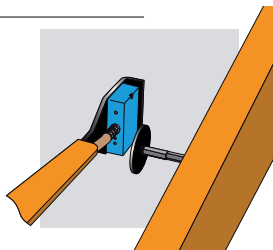
..1..

Start lifting



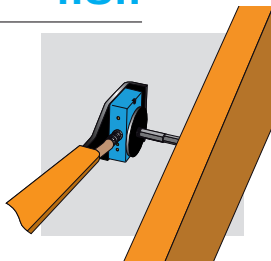
..2..

Weighing starts.
The display reads "Lift"
(keep the movement smooth)



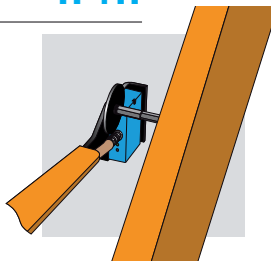
..3..

The weight is displayed



..4..

The weighing cycle has
terminated.
Continue unloading



Zero at empty

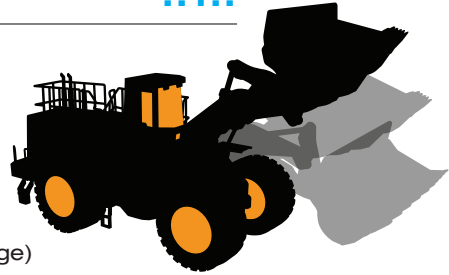
Zero at empty maintains the weight of the empty tool at zero. The No load zero may vary because:

1. material is still attached to the bucket
2. the machine's hydraulic circuit pressure has changed
3. the previous zero setting was run with the the tool not completely empty

..1..

With the machine stopped and the tool closed, raise the arm at low speed

(example image)



..2..

The weight of the lifted load is displayed in the Partial weight area, for instance 0.10t

| 05/14/20 16:37 | | |
|----------------|---------|-------|
| ton | PARTIAL | ton |
| .00 | 1 0.10 | 1 |
| TARGET 1 | | 10.00 |

..3..

Hold the key down to run the Zero at empty



..4..

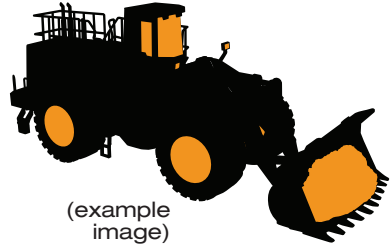
The Partial weight area will display 0.00, the zero setting procedure has terminated; you can release the key

| 05/14/20 16:37 | | |
|----------------|---------|-------|
| ton | PARTIAL | ton |
| .00 | 1 0.00 | 1 |
| TARGET 1 | | 10.00 |

Weighing loaded

..1..

Load the material



(example image)

..2..

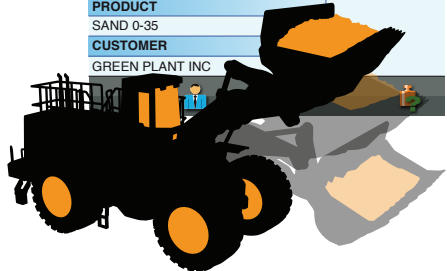
With the tool loaded, move out of the loading area and place the tool under the weighing sensor



..3..

Start to raise the arm while moving forwards towards the unloading position. Weighing is done at this time. The display reads "Lift".

| | | | |
|-----------------|-----|----------------|-----|
| JOHN | | 05/14/20 16:37 | |
| TOTAL | ton | PARTIAL | ton |
| | | 1 | 3 |
| LIFT | | 4.50 | |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |



..4..

A buzzer sounds to indicate that Weighing has terminated

The weight of the load is displayed in the Partial weight area

The current total is displayed in the Total weight area

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | ¹ | ⁴ 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

Clearing the total loaded

When loading has completed, Reset the total. The reset options depend on the system, print and wireless preferences.

C

Press the key to terminate loading. The Total loaded for the current Customer is set to zero.

| JOHN | | 05/14/20 16:37 | |
|-----------------|-----|-------------------|--------------|
| TOTAL | ton | PARTIAL | ton |
| 25.00 | | ¹ 6.00 | ⁴ |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

You can now load a new Customer

| JOHN | | 05/14/20 16:37 | |
|-----------------|-----|-------------------|--------------|
| TOTAL | ton | PARTIAL | ton |
| 0.00 | | ¹ 0.00 | ⁰ |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

Subtracting a weighing

A Weight can be subtracted if it has been saved by error, or if it exceeds the desired total, or if the load could not be completely unloaded into the container/vehicle; in this case reweigh the remaining load and subtract it from the total.

Subtracting a weighing



Press the button to subtract a weight added to the total by error or when the total is greater than the desired amount. In this case, after subtracting it, unload the material and try again with a new weighing.

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | ¹ | ⁴ 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

Subtracting a remaining weight

When a Weight has not been fully unloaded, reweigh it and subtract it from the Total weight. If totalizing is automatic, proceed as follows:



Press the key to subtract the weight of the remaining material, which has just been added to the total by the automatic totaling procedure

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 19.00 | ¹ | ³ 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |



Press the key again to subtract the weight of the remaining material from the final total

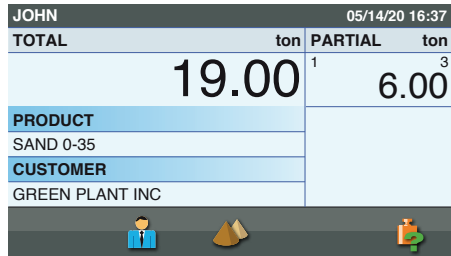
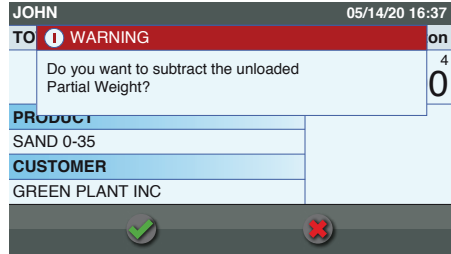


Confirm the Subtraction

If totaling is manual, proceed as follows:



Reweigh and press the key to subtract it



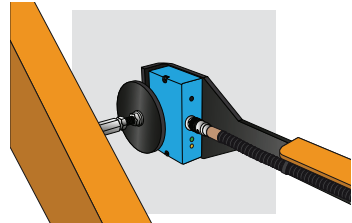
Tip Off

Tip Off is a function which unloads excess weight by displaying the weight of the load in real time; you can thus stop unloading when you reach the desired load weight.

Caution: unloading must be done where the material was picked, not into the container or vehicle being loaded.

..1.. Alignment with the weighing sensor

Once the Weighing cycle has terminated, lower the lifting arm until the reference reaches the weighing sensor.



..2.. Confirm alignment



The symbol displays to indicate that the right position has been reached



Press OK

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | ¹ | ⁴ 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..3.. Run



The symbol displays to indicate that the procedure is executing

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | ¹ | ⁴ 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..4.. Unloading

Starting unloading slowly, without jerky movements, keeping the lifting arm in the same position. You will see the weight diminish in real time.



| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 23.00 | ¹ | 4.00 ⁴ |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |
| | | | |

..5.. Conclusion

When you reach the desired Total or Target weight, stop unloading by closing the bucket.



Lower the lifting arm. The previously lifted weight is automatically subtracted from the Total or Target.

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 19.00 | ¹ | 6.00 ³ |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |
| | | | |

..6.. Weigh the remaining amount

Weigh the remaining material. In this way, you will reach the desired weight.

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 23.00 | ¹ | 4.00 ⁴ |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |
| | | | |

Weighing Mode

The Weighing mode indicates how the total loaded weight is counted. There are two modes: Incremental and Target. There is also Vehicle mode, which is similar to Target mode but with the Customer in automatic loading and the Recipe which is like the Target but with predetermined products to load.

Incremental

Incremental weighing mode indicates that the Total weight starts from zero and increases to the desired total load. The Weighing window's Loaded weight area remains "Total"

| JOHN | | 05/14/20 16:37 | |
|-----------------|-----|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| 0.00 | | ¹ | ⁰ 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

Target

Target weighing mode indicates a target load weight which decrements towards zero with each weighing cycle. Once zero is reached, a buzzer sounds to indicate that the load is complete. The Weighing window's Loaded weight area is "Target" before loading starts,

| JOHN | | 05/14/20 16:37 | |
|-----------------|---------------|----------------|-------------------|
| TARGET | CRUSHER 2 ton | PARTIAL | ton |
| 450.00 | | ¹ | ⁰ 0.00 |
| PRODUCT | | | |
| STONE | | | |
| CUSTOMER | | | |
| PRODUCTION | | | |

and changes to "To load" once it has started.

| JOHN | | 05/14/20 16:37 | |
|-----------------|---------------|----------------|--------------------|
| TO LOAD | CRUSHER 2 ton | PARTIAL | ton |
| 340.00 | | ¹ | ¹⁸ 6.00 |
| PRODUCT | | | |
| STONE | | | |
| CUSTOMER | | | |
| PRODUCTION | | | |

Vehicle

Vehicle mode indicates that an ID or license plate has been selected, which corresponds to a set Customer and Load. If the Load is set to zero, the weighing procedure is like incremental mode, whereas if a target weight has been set, the procedure is like target weighing mode.

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TARGET | ton | PARTIAL | ton |
| | 21.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | W07 GLB | |
| SAND 0-35 | | 21.00 | |
| CUSTOMER | | | |
| GREEN PLANT INC | | 0.00 | |

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | W07 GLB | |
| SAND 0-35 | | 0.00 | |
| CUSTOMER | | | |
| GREEN PLANT INC | | 0.00 | |

Recipe

Recipe weighing mode indicates that a recipe ID has been selected, which specifies certain products with their target weights.

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TARGET | ton | PARTIAL | ton |
| | 21.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | RECIPE | |
| GRAVEL 0-40 | | RECIPE 2 | |
| CUSTOMER | | RECIPE TOTAL | |
| GREEN PLANT INC | | 0.00 | |

Select

..1.. Main Page



The weighing mode is selected in the Main Page but, except for Incremental mode which is always enabled, must first be enabled in system preferences under Enable Weighing Mode.

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | ¹ | 0.00 ⁰ |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Weighing Mode



Select Weighing Mode



Enter Weighing mode

| MAIN PAGE | | 05/14/20 16:37 | |
|----------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |

..3.. Select Mode



Select the desired Weighing mode



Enter Weighing mode

| WEIGHING MODE | | 05/14/20 16:37 | |
|------------------------|--|----------------|---|
| Incremental Weighing | | | ↔ |
| Target Weighing | | | ↔ |
| Vehicle Weighing | | | ↔ |
| Recipe Weighing | | | ↔ |

..4.. Active Weighing Mode

The selected Weighing mode, in this case Target

| JOHN | | 05/14/20 16:37 | |
|-----------------|-----------|----------------|-------------------|
| TARGET | CRUSHER 2 | ton | PARTIAL ton |
| 450.00 | | ¹ | ⁰ 0.00 |
| PRODUCT | | | |
| STONE | | | |
| CUSTOMER | | | |
| PRODUCTION | | | |

Alternative Selection

Alternatively, select the weighing mode, except for incremental which has no separate files, in Main Page/Files: select the file and then the record. We use the Targets file as an example.

| TARGETS | | 05/14/20 16:37 | |
|-----------|-------|----------------|---|
| None | | | |
| CRUSHER 1 | (ton) | 500.00 | ➔ |
| CRUSHER 2 | (ton) | 450.00 | ➔ |
| CRUSHER 3 | (ton) | 380.00 | ➔ |
| CRUSHER 4 | (ton) | 70.00 | ➔ |
| CRUSHER 5 | (ton) | 460.00 | ➔ |
| CRUSHER 6 | (ton) | 370.00 | ➔ |

Load printout

When loading has completed, run a printout. The print options depend on the print and system preferences.

..1.. Print



Press the Print key to terminate loading

| JOHN | | 05/14/20 16:37 |
|-----------------|---|----------------|
| TO | CONFIRM | ton |
| | Printing in progress. Please wait... | 4 0 |
| PRODUCT | | |
| SAND 0-35 | | |
| CUSTOMER | | |
| GREEN PLANT INC | | |

..2.. Confirm



Press Print to print out more copies



Confirm the Print

| JOHN | | 05/14/20 16:37 |
|-----------------|---|----------------|
| TO | WARNING | ton |
| | Check the printout. Press Print for more copies. | 4 0 |
| PRODUCT | | |
| SAND 0-35 | | |
| CUSTOMER | | |
| GREEN PLANT INC | | |

The total is set to zero and a new loading procedure can start

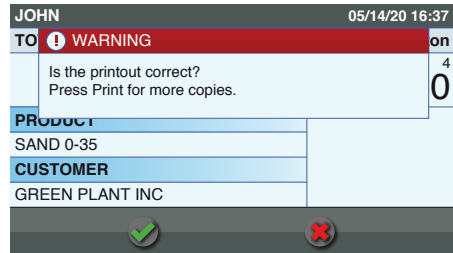
| JOHN | | 05/14/20 16:37 |
|-----------------|------|----------------|
| TOTAL | ton | PARTIAL ton |
| | 0.00 | 1 0 0.00 |
| PRODUCT | | |
| SAND 0-35 | | |
| CUSTOMER | | |
| GREEN PLANT INC | | |

Print Correction

You can enable Print Correction in the Print preferences. This means that when the Printout has completed, the Device prompts you to check whether the data are correct, otherwise you can cancel the printout, return to weighing and weigh new material or subtract the last weighed load, as necessary.



Press the key to terminate loading. Two options are available after the Printout:



Confirm the Print.
The Total is set to zero



Do not confirm
the Print, return to
weighing

Print loaded products or Grand totals

You can Print out the loaded products to review the amount loaded over time or for a specific period. This amount is called the Grand Total.

..1.. Print



In the Products window, press the key to run the Print

| PRODUCTS | | 05/14/20 16:37 |
|-----------------|-------|----------------|
| GRAVEL 3-4 | (ton) | 4.570,50 |
| GRAVEL 3-8 | (ton) | 2.150,30 |
| GRAVEL 4 | (ton) | 1.230,00 |
| LIMESTONE 1.1-2 | (ton) | 750,40 |
| LIMESTONE 5-8 | (ton) | 2.289,70 |
| SAND 0-35 | (ton) | 7.589,50 |
| SAND 0-40 | (ton) | 4.888,80 |

..2.. Select Print



Select the Printout:
 Print selected Product
 Print all Products used
 Print all Products
 Print all Products by date.
 By entering the period, from date to date, print out all the products loaded every day including the daily percentage variation

| PRODUCT PRINTOUTS | | 05/14/20 16:37 |
|----------------------------|--|----------------|
| Print selected Product | | |
| Print all Products used | | |
| Print all Products | | |
| Print all Products by date | | |

..3.. Confirm



Press the key to start the print run

| PRODUCT PRINTOUTS | | 05/14/20 16:37 |
|-------------------|----------------------------|----------------|
| Pri | CONFIRM | |
| Pri | Printing in progress. | |
| Pri | Please wait... | |
| Pri | Print all Products by date | |

File printout

In each File, you can print out its content for review. We use the Customers file as an example.

Print



In the window of each file, press the key to run the Print

| CUSTOMERS | 05/14/20 16:37 |
|----------------------|----------------|
| None | |
| DENVER TRANSPORT CO. | ↔ |
| GRAVEL POINT LTD | ↔ |
| GREEN PLANT INC | ↔ |
| PENNY CITY | ↔ |
| RICHARDSON GAS PLANT | ↔ |
| SANDERS MATERIAL | ↔ |

..2.. Select Print



Select File Printout, from the list of options. Other Files might print directly because File Printout is the only option available.

| CUSTOMERS PRINTOUTS | 05/14/20 16:37 |
|---|----------------|
| File Printout | |
| Customer's Weights Log Printout | |
| Customer's overall Products loadout Printout | |
| All Customers overall Products loadout Printout | |

..3.. Confirm



Press the key to start the print run

| CUSTOMERS PRINTOUTS | 05/14/20 16:37 |
|---------------------|-----------------------|
| File | CONFIRM |
| Cu | Printing in progress. |
| Cu | Please wait... |
| All | |

Printout of Products totals by Customer

On the Customer's File it is possible to print loadout reports for the selected customer or all of them. The Weights Log File must be enabled.

Print



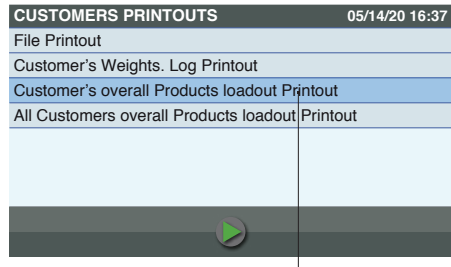
In the Customers window, press the key to run the Print



..2.. Select Print



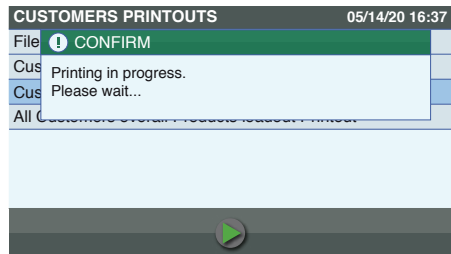
Select the Printout: Customer's Weights Log Printout. Customer's overall loadout Printout, the totals by product for the selected customer will be printed. All Customers overall loadout Printout, the totals by product will be printed divided by customer



..3.. Confirm



Press the key to start the print run





Printout of Products totals by Vehicle

On the Vehicle's File it is possible to print loadout reports for the selected vehicle or all of them. The Weights Log File must be enabled.

Print



In the Vehicles window, press the key to run the Print

| VEHICLES | | 05/14/20 16:37 |
|----------|-------|----------------|
| None | | |
| ADL Z03 | (ton) | 25.00 |
| R66 NBC | (ton) | 32.00 |
| W07 GLB | (ton) | 21.00 |
| W56 NBF | (ton) | 22.00 |
| Y84 JDP | (ton) | 24.30 |
| ZWK 35R | (ton) | 27.60 |

..2.. Select Print



Select the Printout: Vehicle's overall loadout Printout, the totals by product for the selected vehicle will be printed. All Vehicles overall loadout Printout, the totals by product will be printed divided by vehicle

| VEHICLES PRINTOUTS | | 05/14/20 16:37 |
|--|--|----------------|
| File Printout | | |
| Vehicle's Overall Products Loadout printout | | |
| All Vehicles Overall Products Loadout printout | | |

..3.. Confirm



Press the key to start the print run

| VEHICLES PRINTOUTS | | 05/14/20 16:37 |
|--------------------|-----------------------|----------------|
| File | CONFIRM | |
| Ve | Printing in progress. | |
| Ve | Please wait... | |

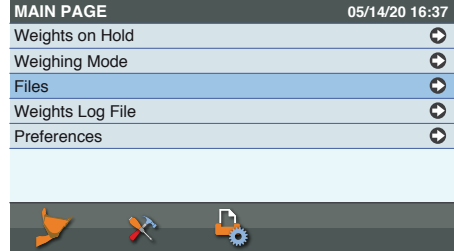
Configuration printout

The system configuration can be printed out to review the settings and for analysis by customer service.

Print



In the Main Page window, press the key to run the Print. You can also run the print from Preferences/Utility.



Weights log file printout

Loads which have been completed and saved in the Weights log file can be printed out and saved to a USB key or transmitted over a wireless connection.

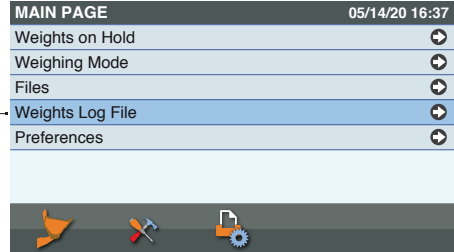
..1.. Weights Log File



In the Main Page,
select Weights log file



Enter the Weights
log file



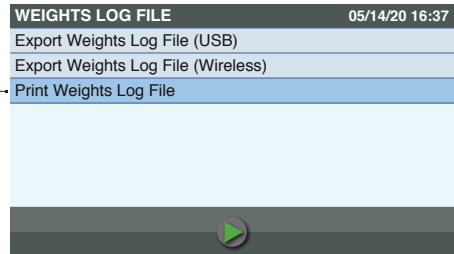
..2.. Print weights log file



In the Weights log
file page, select Print
weights log file



Press the key to start
the print run



Files

The files contain data correlated with weighing cycles. You can select them, and some of them, Vehicles, Destinations, Carriers and Recipes, must be enabled in system preferences before being used in Weighing. Even when not enabled, such Files can still be created and edited.

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Preferences



In the Main Page, select Files



Enter Files

| MAIN PAGE | | 05/14/20 16:37 | |
|------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |

..3.. Files



In Files, select the File of interest



Enter File

| FILES | | 05/14/20 16:37 | |
|--------------|--|----------------|---|
| Products | | | ↔ |
| Customers | | | ↔ |
| Targets | | | ↔ |
| Operators ID | | | ↔ |
| Vehicles | | | ↔ |
| Destinations | | | ↔ |
| Recipes | | | ↔ |
| | | | ↓ |

New - Delete - Start list and Find

In each file you have the options New, Delete, Start List and Find. The images show the Customers File as an example, but the same applies to the other files.

New

..1.. New item



Press the key to create a new item

| CUSTOMERS | 05/14/20 16:37 |
|----------------------|----------------|
| None | |
| DENVER TRANSPORT CO. | |
| GRAVEL POINT LTD | |
| GREEN PLANT INC | |
| PENNY CITY | |
| RICHARDSON GAS PLANT | |
| SANDERS MATERIAL | |


..2.. Editing



Edit the name with the keypad

| CUSTOMERS | 05/14/20 16:37 |
|---------------------------|----------------|
| No Name | |
| DE TOWNS | |
| GF 24 characters maximum. | |
| GREEN PLANT INC | |
| PENNY CITY | |
| RICHARDSON GAS PLANT | |
| SANDERS MATERIAL | |

..3.. Confirm




 Confirm the changes

..4.. Continue

 Continue editing other fields






 Enter editing


| CUSTOMER RECORD | | 05/14/20 16:37 |
|---|-------------------|----------------|
| Name | TOWNSVILLE GRAVEL | |
| Street | | |
| Post Code | | |
| City | | |
| State | | |
|    | | |

Delete

 Press the key to delete the item

| CUSTOMERS | | 05/14/20 16:37 |
|--|--|----------------|
| None | | |
| DENVER TRANSPORT CO. |  | |
| GRAVEL POINT LTD |  | |
| GREEN PLANT INC |  | |
| PENNY CITY |  | |
| RICHARDSON GAS PLANT |  | |
| SANDERS MATERIAL |  | |
|      | | |

Start list

 Press the key to go to the start of the list

| CUSTOMERS | | 05/14/20 16:37 |
|--|--|----------------|
| None | | |
| DENVER TRANSPORT CO. |  | |
| GRAVEL POINT LTD |  | |
| GREEN PLANT INC |  | |
| PENNY CITY |  | |
| RICHARDSON GAS PLANT |  | |
| SANDERS MATERIAL |  | |
|      | | |

Find

..1.. Find item



Press the key to find an item on the list by initials

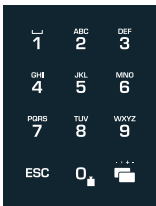
| CUSTOMERS | | 05/14/20 16:37 |
|----------------------|--|----------------|
| None | | |
| DENVER TRANSPORT CO. | | ↔ |
| GRAVEL POINT LTD | | ↔ |
| GREEN PLANT INC | | ↔ |
| PENNY CITY | | ↔ |
| RICHARDSON GAS PLANT | | ↔ |
| SANDERS MATERIAL | | ↔ |



Press the key to find an item on the list by content. Available only on the Vehicle ID listing

| VEHICLES | | | | 05/14/20 16:37 |
|----------|-------|-------|--|----------------|
| None | | | | |
| ADL Z03 | (ton) | 25.00 | | ↔ |
| R66 NBC | (ton) | 32.00 | | ↔ |
| W07 GLB | (ton) | 21.00 | | ↔ |
| W56 NBF | (ton) | 22.00 | | ↔ |
| Y84 JDP | (ton) | 24.30 | | ↔ |
| ZWK 35R | (ton) | 27.60 | | ↔ |

..2.. Editing



Edit the initial or first characters of the name

| CUSTOMERS | | 05/14/20 16:37 |
|----------------------|----------------------------------|----------------|
| No Find | | |
| DE | <input type="text" value="PEN"/> | ↔ |
| GR | 24 characters maximum. | ↔ |
| GR | | ↔ |
| PENNY CITY | | ↔ |
| RICHARDSON GAS PLANT | | ↔ |
| SANDERS MATERIAL | | ↔ |

..3.. Confirm



Confirm the editing

..4.. Result

The search result is displayed in the list

| CUSTOMERS | | 05/14/20 16:37 |
|----------------------|--|----------------|
| None | | |
| DENVER TRANSPORT CO. | | ↔ |
| GRAVEL POINT LTD | | ↔ |
| GREEN PLANT INC | | ↔ |
| PENNY CITY | | ↔ |
| RICHARDSON GAS PLANT | | ↔ |
| SANDERS MATERIAL | | ↔ |

Navigation icons: +, -, ↩, ↪

Products file

The product to be loaded must be selected before weighing starts, when the Total is zero; in this way the product reference is included in the loading information. Selecting a product when weighing is underway and the Total is not zero puts the weighing on hold and starts a new loading procedure (see Weights on hold).



Press the key to enter the File

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | 1 | 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..1.. Select



Select the item

Grand Total per product field

| PRODUCTS | | 05/14/20 16:37 | |
|-----------------|-------|----------------|---|
| GRAVEL 3-4 | (ton) | 4.570,50 | ↔ |
| GRAVEL 3-8 | (ton) | 2.150,30 | ↔ |
| GRAVEL 4 | (ton) | 1.230,00 | ↔ |
| LIMESTONE 1.1-2 | (ton) | 750,40 | ↔ |
| LIMESTONE 5-8 | (ton) | 2.289,70 | ↔ |
| SAND 0-35 | (ton) | 7.589,50 | ↔ |
| SAND 0-40 | (ton) | 4.888,80 | ↔ |

..2.. Confirm



Confirm the selection



Go to Weighing without confirming the selection

..3.. New product

New selection during Weighing

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | | |
| LIMESTONE 5-8 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

Zero the Grand Total



Select the item



Press the key to set the Grand Total for the given product or all products to zero

| PRODUCTS | | 05/14/20 16:37 | |
|-----------------|-------|----------------|---|
| GRAVEL 3-4 | (ton) | 4.570,50 | ↔ |
| GRAVEL 3-8 | (ton) | 2.150,30 | ↔ |
| GRAVEL 4 | (ton) | 1.230,00 | ↔ |
| LIMESTONE 1.1-2 | (ton) | 750,40 | ↔ |
| LIMESTONE 5-8 | (ton) | 2.289,70 | ↔ |
| SAND 0-35 | (ton) | 7.589,50 | ↔ |
| SAND 0-40 | (ton) | 4.888,80 | ↔ |

Customers file

The Customer to be loaded must be selected before weighing starts, when the Total is zero; in this way the customer reference is included in the loading information. Selecting a customer when weighing is underway and the Total is not zero puts the weighing on hold and starts a new loading procedure (see Weights on hold).



Press the key to enter the File

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | 1 | 0 |
| | | | 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..1.. Select



Select the item

| CUSTOMERS | | 05/14/20 16:37 | |
|----------------------|--|----------------|---|
| None | | | |
| DENVER TRANSPORT CO. | | | → |
| GRAVEL POINT LTD | | | → |
| GREEN PLANT INC | | | → |
| PENNY CITY | | | → |
| RICHARDSON GAS PLANT | | | → |
| SANDERS MATERIAL | | | → |

..2.. Confirm



Confirm the selection and go to weighing



Go to Weighing without confirming the selection

..3.. New Customer

New selection during weighing

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| PENNY CITY | | | |

Targets file

To use the Targets, “Target Weighing Mode” must be enabled and selected (see Weighing modes). The target is a target load weight which decrements towards zero with each weighing cycle. Once zero is reached, a buzzer sounds to indicate that the load is complete. Selecting a new target while the current one is non-zero puts the latter in Weights on hold (see Weights on hold).



Press the key to enter the file

| JOHN | | 05/14/20 16:37 | |
|-----------------|-----------|---------------------|-------------------|
| TARGET | CRUSHER 2 | ton | PARTIAL ton |
| | | 450.00 ¹ | 0.00 ⁰ |
| PRODUCT | | | |
| STONE | | | |
| CUSTOMER | | | |
| PRODUCTION | | | |

..1.. Select



Select the item

Preset target weight field

| TARGETS | | | 05/14/20 16:37 | |
|-----------|-------|--------|----------------|--|
| None | | | | |
| CRUSHER 1 | (ton) | 500.00 | ↔ | |
| CRUSHER 2 | (ton) | 450.00 | ↔ | |
| CRUSHER 3 | (ton) | 380.00 | ↔ | |
| CRUSHER 4 | (ton) | 70.00 | ↔ | |
| CRUSHER 5 | (ton) | 460.00 | ↔ | |
| CRUSHER 6 | (ton) | 370.00 | ↔ | |

..2.. Confirm



Confirm the selection

Go to Weighing without confirming the selection

..3.. New Target

New selection during weighing

| JOHN | | 05/14/20 16:37 | |
|-----------------|-----------|---------------------|-------------------|
| TARGET | CRUSHER 3 | ton | PARTIAL ton |
| | | 380.00 ¹ | 0.00 ⁰ |
| PRODUCT | | | |
| STONE | | | |
| CUSTOMER | | | |
| PRODUCTION | | | |

Operator ID file

The Operators ID file allows you to select the name of the operator using the machine. If the operators are enabled, the Operator ID will be requested when the machine is switched on; if no ID is entered, the instrument cannot be used.

Select

..1.. Main Page

Operator ID

Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | ¹ | ⁴ 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Files

Select Files

Enter Files

| MAIN PAGE | | 05/14/20 16:37 | |
|------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |

..3.. Operators ID

Select Operators ID

Enter Operators ID

| FILES | | 05/14/20 16:37 | |
|--------------|--|----------------|---|
| Products | | | ↔ |
| Customers | | | ↔ |
| Targets | | | ↔ |
| Operators ID | | | ↔ |
| Vehicles | | | ↔ |
| Destinations | | | ↔ |
| Recipes | | | ↔ |

..4.. Select



Select the item

Operator ID field not enabled in this example. It means the login at start up will not be required

| OPERATORS ID | | 05/14/20 16:37 | |
|--------------|----------|----------------|---|
| None | | | |
| ARCHIE | 33600021 | ⊙ | ➔ |
| FRANK | 33611199 | ⊙ | ➔ |
| JOHN | 33115500 | ⊙ | ➔ |
| NEIL | 33644400 | ⊙ | ➔ |
| STEVE | 33677745 | ⊙ | ➔ |
| SHARYL | 33638304 | ⊙ | ➔ |

..5.. Confirm



Confirm the selection



Go to Weighing without confirming the selection

..6.. New Operator ID

New selection during weighing

| NEIL | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | 1 | 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

Operator Login



When the Device is switched on, it prompts for an Operator ID, without which it cannot be used



Confirm

ID Code

8 characters maximum.

ON BOARD WEIGHING SOLUTIONS



Vehicles File

To use Vehicles, "Vehicle Weighing Mode" must be enabled and selected (see Weighing modes). A Vehicle is composed of a license plate and Customer or Carrier and, if so set, the target weight to be loaded, which decrements towards zero with each weighing cycle. Once zero is reached, a buzzer sounds to indicate that the load is complete. The load can also be divided into two Totals, each for a different product. This may be useful when loading a truck and its trailer, called Split loading.

..1.. Select field



Select the Field to be set to Truck and Trailer. The first is usually the truck, the second the trailer

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TARGET | ton | PARTIAL | ton |
| | 32.00 | 1 | 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | 0.00 |
| CUSTOMER | | | |
| GREEN PLANT INC | | | 0.00 |

..2.. Vehicles entrance



Press the key to enter the File

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TARGET | ton | PARTIAL | ton |
| | 32.00 | 1 | 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | 0.00 |
| CUSTOMER | | | |
| GREEN PLANT INC | | | 0.00 |

..3.. Select



If every Vehicle has a Customer associated to it, the vehicle listing will be populated by the Vehicles pertaining to the selected customer, only. Select the Vehicle

Preset Vehicle Weight field

| VEHICLES | | 05/14/20 16:37 | |
|----------|-------|----------------|---|
| None | | | |
| ADL Z03 | (ton) | 25.00 | ↔ |
| R66 NBC | (ton) | 32.00 | ↔ |
| W07 GLB | (ton) | 21.00 | ↔ |
| W56 NBF | (ton) | 22.00 | ↔ |
| Y84 JDP | (ton) | 24.30 | ↔ |
| ZWK 35R | (ton) | 27.60 | ↔ |



..4.. Confirm



Confirm the selection



Go to Weighing without confirming the selection

..5.. New Vehicle

New selection during weighing

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TARGET | ton | PARTIAL | ton |
| | 21.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | W07 GLB | |
| SAND 0-35 | | | 21.00 |
| CUSTOMER | | | |
| GREEN PLANT INC | | | 0.00 |

Repeat the selection if you want to enter another vehicle in the second field



Destinations File

The Destination is the material's shipping destination, if different from the Customer's premises; it is requested when you want to terminate loading, in which case the destination reference is included in the loading procedure. To use Destinations, the file must be enabled in system preferences under Destinations.

..1.. Print or reset



Press the Print or Clear key to terminate loading

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | 1 | 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Confirm entry



Confirm entry of the Destination



Do not enter the Destination

| JOHN | | 05/14/20 16:37 | |
|---|--|----------------|--|
| TO | | WARNING | |
| Do you want to introduce the Destination? | | 0 | |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..3.. Select



If every Destination has a Customer associated to it, the destination listing will be populated by the Destinations pertaining to the selected customer, only. Select the item

| DESTINATIONS | | 05/14/20 16:37 | |
|-------------------------|--|----------------|--|
| None | | | |
| ALBEE HALL PLAZA | | ➔ | |
| ARIZONA UNIVERSITY | | ➔ | |
| INTERSTATE HIGHWAY 10 | | ➔ | |
| MEMORIAL STUDENT CENTER | | ➔ | |
| TUCSON AMTRAK STATION | | ➔ | |
| WILLIAMS STADIUM | | ➔ | |



..4.. Confirm



Confirm the selection



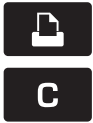
Go to Weighing without entering a Destination



Carriers File

The Carrier is who carries the transport of the material, if different from the Customer. It is requested when the loading is completed, in this way the Carrier info is included in the loading report. In order to use the Carriers, the file must be enabled in System Preferences under Carriers.

..1.. Print or reset



Press the Print or Clear key to terminate loading

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | 1 | 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Confirm entry



Confirm entry of the Carrier



Do not enter the Carrier

In Vehicle Weighing Mode if the Carrier is associated to the selected Vehicle, it will be printed without asking for a confirmation

| JOHN | | 05/14/20 16:37 | |
|---------------------------------------|----------------|----------------|----|
| TO | WARNING | | on |
| Do you want to introduce the Carrier? | | | |
| | | | 0 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..3.. Select



Select the item

| CARRIERS | | 05/14/20 16:37 | |
|---------------------------|--|----------------|---|
| None | | | |
| CLARK LOGISTICS | | | ➔ |
| ELEONOR GRAVEL TRANSPORTS | | | ➔ |
| HEAVY METAL SHIPPING | | | ➔ |
| PINE VILLE SAND | | | ➔ |
| SHARK LOGISTICS | | | ➔ |
| UNITED TRANSPORTS | | | ➔ |



..4.. Confirm



Confirm the selection



Go to Weighing without entering the Carrier

Recipes file

To use Recipes, “Recipe Weighing Mode” must be enabled and selected (see Weighing modes). A Recipe consists of a name, recipe total, products included in the recipe and their target weights, which decrement towards zero with each weighing cycle. Once zero is reached, a buzzer sounds to indicate that the product in question is complete.

If the “Product Quantity” within the system preference “Enable Weighing Mode” is enabled as “Nr. of Weighings”, the Target Weight will be replaced by the number of Weighings to be loaded for each product.



Press the key to enter the File

| JOHN | | 05/14/20 16:37 | |
|-----------------|--------------|----------------|------|
| TARGET | ton | PARTIAL | ton |
| | 21.00 | 1 | 0.00 |
| PRODUCT | RECIPE | | |
| GRAVEL 0-40 | RECIPE 2 | | |
| CUSTOMER | RECIPE TOTAL | | |
| GREEN PLANT INC | 0.00 | | |

..1.. Select



Select the item

Recipe total field

| RECIPES | | 05/14/20 16:37 | |
|----------|-------|----------------|---|
| None | | | |
| RECIPE 1 | (ton) | 570.00 | ↔ |
| RECIPE 2 | (ton) | 98.00 | ↔ |
| RECIPE 3 | (ton) | 654.00 | ↔ |
| RECIPE 4 | (ton) | 1346.00 | ↔ |
| RECIPE 5 | (ton) | 240.30 | ↔ |
| RECIPE 6 | (ton) | 27.60 | ↔ |

..2.. Confirm



Confirm the selection



Go to Weighing without confirming the selection



..3.. New recipe

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TARGET | ton | PARTIAL | ton |
| | 45.00 | 1 | 0.00 |
| PRODUCT | | RECIPE | |
| LIMESTONE 5-8 | | RECIPE 3 | |
| CUSTOMER | | RECIPE TOTAL | |
| GREEN PLANT INC | | 0.00 | |

Total weight to load for the selected product →

New selection during weighing →


Total reached for selected Recipe →

Select product

There are three ways to select the Product for a Recipe, from the Recipes File, from Recipe Weighing Mode or Products Listing.

Select product from Recipes files

..1.. Recipes file



| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TARGET | ton | PARTIAL | ton |
| | 21.00 | 1 | 0.00 |
| PRODUCT | | RECIPE | |
| GRAVEL 0-40 | | RECIPE 2 | |
| CUSTOMER | | RECIPE TOTAL | |
| GREEN PLANT INC | | 0.00 | |

Press the key to enter the File →



..2.. Recipe Content



Enter Recipe Content for the selected Recipe

| RECIPES | | 05/14/20 16:37 |
|----------|-------|----------------|
| None | | |
| RECIPE 1 | (ton) | 570.00 |
| RECIPE 2 | (ton) | 98.00 |
| RECIPE 3 | (ton) | 654.00 |
| RECIPE 4 | (ton) | 1346.00 |
| RECIPE 5 | (ton) | 240.30 |
| RECIPE 6 | (ton) | 27.60 |

..3.. Select



Select the item

Total product to load field

| RECIPE CONTENT | | 05/14/20 16:37 |
|----------------|----------|----------------|
| Name | RECIPE 2 | |
| GRAVEL 0-40 | (ton) | 21.00 |
| GRAVEL 0-50 | (ton) | 25.00 |
| LIMESTONE 5-8 | (ton) | 12.00 |
| SAND 0-35 | (ton) | 40.00 |

..4.. Confirm



Confirm the selection



Go to Weighing without confirming the selection

..5.. New product

New selection during weighing

| JOHN | | 05/14/20 16:37 |
|-----------------|--------------|--------------------------------|
| TARGET | ton | PARTIAL ton |
| | 12.00 | ¹ 0.00 ⁰ |
| PRODUCT | RECIPE | |
| LIMESTONE 5-8 | RECIPE 2 | |
| CUSTOMER | RECIPE TOTAL | |
| GREEN PLANT INC | 0.00 | |



Select product from weighing



Select the product

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TARGET | ton | PARTIAL | ton |
| | 21.00 | 1 | 0.00 |
| PRODUCT | | RECIPE | |
| GRAVEL 0-40 | | RECIPE 2 | |
| CUSTOMER | | RECIPE TOTAL | |
| GREEN PLANT INC | | 0.00 | |

Select Product from Products listing



Press the key to enter the File

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TARGET | ton | PARTIAL | ton |
| | 21.00 | 1 | 0.00 |
| PRODUCT | | RECIPE | |
| GRAVEL 0-40 | | RECIPE 2 | |
| CUSTOMER | | RECIPE TOTAL | |
| GREEN PLANT INC | | 0.00 | |



Select the item

| RECIPE CONTENT | | 05/14/20 16:37 | |
|----------------|-------|----------------|---|
| Name | | RECIPE 2 | |
| GRAVEL 0-40 | (ton) | 21.00 | + |
| GRAVEL 0-50 | (ton) | 25.00 | + |
| LIMESTONE 5-8 | (ton) | 12.00 | + |
| SAND 0-35 | (ton) | 40.00 | + |

Weights on Hold

Weights on hold are saved in a File and represent loads which have not terminated and are thus waiting to be canceled. This file is particularly useful for loads which, for whatever reason, must be suspended and then resumed later.

Select

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-----------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | 1 | 4 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Weights on Hold



Select Weights on Hold



Enter Weights on Hold

| MAIN PAGE | | 05/14/20 16:37 |
|------------------|--|----------------|
| Weights on Hold | | ↔ |
| Weighing Mode | | ↔ |
| Files | | ↔ |
| Weights Log File | | ↔ |
| Preferences | | ↔ |

..3.. Select



Select the weighing cycle you wish to run



If necessary, enter the Details of Weights on Hold

| WEIGHTS ON HOLD | | | 05/14/20 16:37 |
|-----------------|-------------|-------|----------------|
| GREEN PLANT IN | SAND 0-35 | (ton) | 25.00 ↔ |
| PENNY CITY | GRAVEL 0-40 | (ton) | 10.50 ↔ |
| PRODUCTION | STONE | (ton) | 100.00 ↔ |

..4.. Confirm



Confirm the selected Weight on Hold which is to be resumed in weighing



Return to weighing without resuming the selected Weight on Hold

..5.. New load

New selection in weighing which, for instance, may be in Target mode

| JOHN | | 05/14/20 16:37 | |
|-----------------|-----------|----------------|---------------|
| TO LOAD | CRUSHER 2 | ton | PARTIAL ton |
| | | 340.00 | 6.00 |
| | | ¹ | ¹⁸ |
| PRODUCT | | | |
| STONE | | | |
| CUSTOMER | | | |
| PRODUCTION | | | |

Target on Demand

To use a Target on demand, “Target on Demand Weighing Mode” must be enabled (see “System Preferences”, “Enable Weighing Mode”). Target on demand is a function in which the target weight and a reference name may be edited as desired. It is particularly useful when the container ID or license plate of the vehicle are not already set in the Vehicles File. For a vehicle, the load may be divided between truck and trailer with two fields for editing, so called Split weighing. The target weight decrements towards zero with each weighing cycle. Once zero is reached, a buzzer sounds to indicate that the load is complete.

Enter Target on Demand



Press the key to run a Target on demand

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

Select



Use the keys to select the Target to run. You may select the name, not necessarily the weight.

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TARGET | ton | PARTIAL | ton |
| | 45.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | TRUCK | |
| GRAVEL 0-40 | | 20.00 | |
| CUSTOMER | | TRAILER | |
| PENNY CITY | | 25.00 | |

Run

Total load, the sum of the two Targets

| JOHN | | 05/14/20 16:37 | |
|-------------|--------------------|----------------|-------------------|
| TARGET | ton | PARTIAL | ton |
| | 45.00 ¹ | | 0.00 ⁰ |
| PRODUCT | TRUCK | | |
| GRAVEL 0-40 | 20.00 | | |
| CUSTOMER | TRAILER | | |
| PENNY CITY | 25.00 | | |

Total weight to load, the sum of the two weights

| JOHN | | 05/14/20 16:37 | |
|-------------|--------------------|----------------|-------------------|
| TO LOAD | ton | PARTIAL | ton |
| | 40.50 ¹ | | 4.50 ² |
| PRODUCT | TRUCK | | |
| GRAVEL 0-40 | 15.50 | | |
| CUSTOMER | TRAILER | | |
| PENNY CITY | 25.00 | | |

exit

Press the key to quit Target on demand temporarily without terminating the load. Temporarily quitting the function places the current loading procedure into Weights on hold.



| JOHN | | 05/14/20 16:37 | |
|-------------|--------------------|----------------|-------------------|
| TO LOAD | ton | PARTIAL | ton |
| | 40.50 ¹ | | 4.50 ² |
| PRODUCT | TRUCK | | |
| GRAVEL 0-40 | 15.50 | | |
| CUSTOMER | TRAILER | | |
| PENNY CITY | 25.00 | | |

Enter



Press the key to enter Target on demand and continue the load.

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | ¹ | ⁵ 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

Editing

..1.. Select field



Use the keys to select the Name and Value of the Target on demand

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|-------------------|
| TARGET | ton | PARTIAL | ton |
| | 45.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | TRUCK | |
| GRAVEL 0-40 | | 20.00 | |
| CUSTOMER | | TRAILER | |
| PENNY CITY | | 25.00 | |

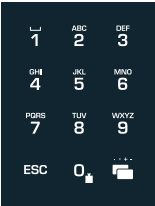
..2.. Enter



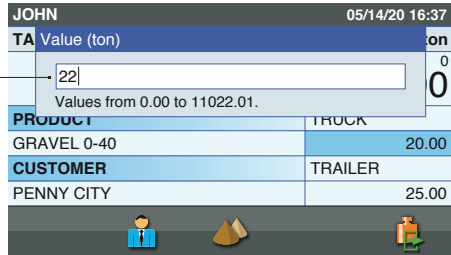
Press the key to enter editing

| JOHN | | 05/14/20 16:37 | |
|-------------------------------|-------------|----------------|----------------|
| TA | Value (ton) | | ton |
| | 20.00 | | ⁰ 0 |
| Values from 0.00 to 11022.01. | | | |
| PRODUCT | | TRUCK | |
| GRAVEL 0-40 | | 20.00 | |
| CUSTOMER | | TRAILER | |
| PENNY CITY | | 25.00 | |

..3.. Editing



Edit the weight with the keypad



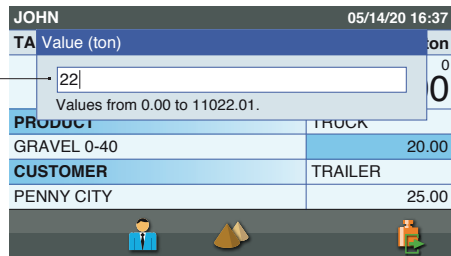
Remarks

1. The Name field may remain blank.
2. The Weight field may be set to the target value or Zero. In the first case, during execution, weighing will be in Target mode, thus decrementing the target weight, while in the second case it will be in Incremental Mode, starting from zero.
3. Only one weight field may be set, it is not necessary to set them both to run the weighing procedure.
4. Both fields must be programmed to Target or Incremental.

..4.. Confirm



Confirm the changes



Select Tool

The Tool is the part of the machine used for loading: bucket, forks, gripper, etc. Whenever you use a different tool, it must be selected for weighing so that the Device's precision is unaffected.

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|-------|----------------|------|
| TOTAL | ton | PARTIAL | ton |
| | 25.00 | 1 | 6.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Enter Tools



Press the key to enter Tools

| MAIN PAGE | | 05/14/20 16:37 |
|------------------|--|----------------|
| Weights on Hold | | ➔ |
| Weighing Mode | | ➔ |
| Files | | ➔ |
| Weights Log File | | ➔ |
| Preferences | | ➔ |

..3.. Tools



In Tools, select the Tool



Confirm the Tool

| TOOLS | | 05/14/20 16:37 |
|--------|--------------|----------------|
| Tool 1 | SAND BUCKET | ⊙ ➔ |
| Tool 2 | STONE BUCKET | ⊙ ➔ |
| Tool 3 | 3 | ⊙ ➔ |
| Tool 4 | 4 | ⊙ ➔ |
| Tool 5 | 5 | ⊙ ➔ |

Export Weights log file

The loaded weights log file contains all loaded weights correlated with the data selected during weighing: Customer, Product, Vehicle, Destination or Recipe. They can be exported to a USB key for analysis on another computer, or sent to the latter over a wireless connection.

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-----|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | 1 | 0 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Weights Log File



In the Main Page, select Weights log file



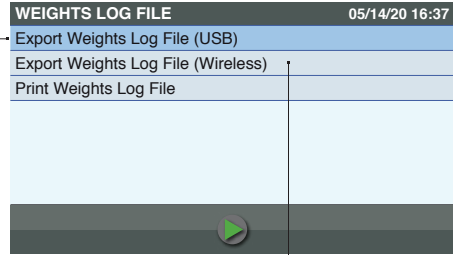
Enter the Weights log file

| MAIN PAGE | | 05/14/20 16:37 | |
|------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |

..3.. Exporting



In the Weights log file page, select Export Weights log file (USB)



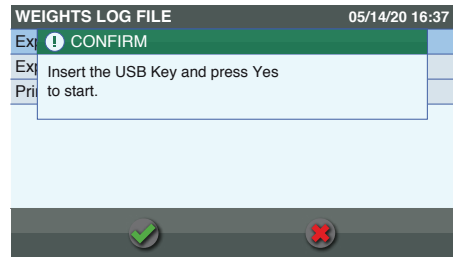
Press the key to export the file

If the LAN connection is down, or the Trackweight modem cable is damaged, use Export Weights log file (Wireless) to send the weights still in memory if no more loads need to be completed. If loads still have to be completed, the first of them to be completed will also enable the weights still in memory to be sent.

..4.. Insert the USB key



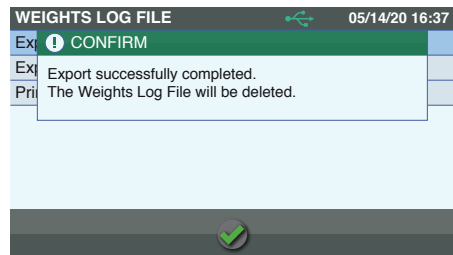
Insert the USB key and press the key to confirm the Weights log file export



..5.. Confirm



Press the key to confirm





Files Restore

The Products, Customers, Targets, Operator ID, Vehicles, Destinations, Carriers and Recipes files can be Restored from a USB key. This is necessary when a file is modified on ipotweb.com, or if you want to import the files from another Device.

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | 1 | 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Preferences



In the Main Page, select Preferences

Enter Preferences

| MAIN PAGE | | 05/14/20 16:37 | |
|------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |

..3.. Utility



In Preferences, select Utility

Enter Utility

| PREFERENCES | | 05/14/20 16:37 | |
|-------------|--|----------------|---|
| Weighing | | | ↔ |
| System | | | ↔ |
| Print | | | ↔ |
| Wireless | | | ↔ |
| Tools | | | ↔ |
| Utility | | | ↔ |
| Statistics | | | ↔ |

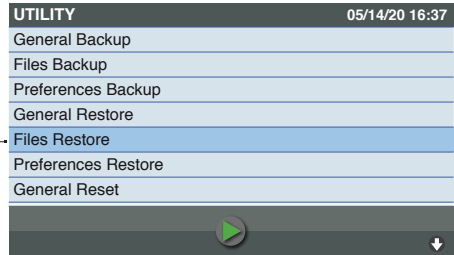
..4.. Files Restore



In Utility, select Files Restore



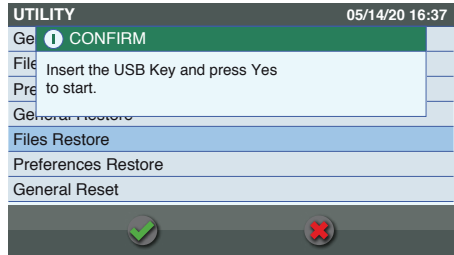
Start the Restore procedure



..5.. Insert the USB key



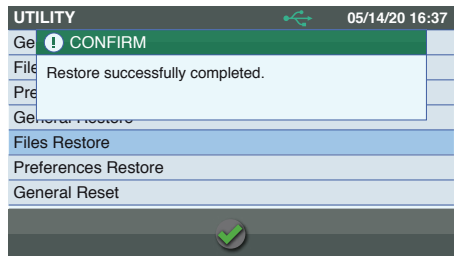
Insert the USB key and press the key to confirm the Files Restore procedure



..6.. Confirm



Press the key to confirm the Restore has terminated successfully



Files Backup

The Products, Customers, Targets, Operator ID, Vehicles, Destinations, Carriers and Recipes files can be backed up on the USB key. This is necessary when a file is modified on the Device, or if you want to export the files to another Device.

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-----|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | 1 | 0 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Preferences



In the Main Page, select Preferences

Enter Preferences

| MAIN PAGE | | 05/14/20 16:37 | |
|------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |

..3.. Utility



In Preferences, select Utility

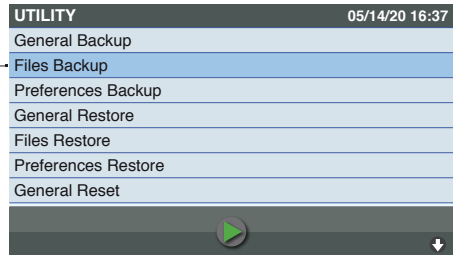
Enter Utility

| PREFERENCES | | 05/14/20 16:37 | |
|-------------|--|----------------|---|
| Weighing | | | ↔ |
| System | | | ↔ |
| Print | | | ↔ |
| Wireless | | | ↔ |
| Tools | | | ↔ |
| Utility | | | ↔ |
| Statistics | | | ↔ |

..4.. Files Backup



In Utility, select Files Backup

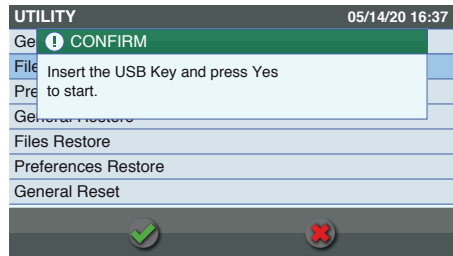


Start the backup procedure

..5.. Insert the USB key



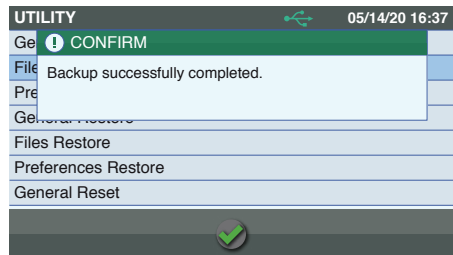
Insert the USB key and press the key to confirm the Files Backup procedure



..6.. Confirm



Press the key to confirm the Backup has terminated successfully





Files Reception

The Files Reception is an input to receive, from ipotweb.com, all the Files or the ones selected in Wireless Preferences, Files Reception. The selection of some Files imply the automatic selection of other because they are related Files, as an example, Vehicles, Customers and Carriers.

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | 1 | 0.00 ⁰ |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Files Reception



Press the Key to initiate automatically the Files Reception. The input is a shortcut of the F3 key situated in Wireless Preferences, Files Reception.

| MAIN PAGE | | 05/14/20 16:37 | |
|------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |



Files selection for the Wireless Reception

To receive the Files via wireless, they must be selected in the Files Reception page, situated in Wireless Preferences. The selection can be All the Files or a combination of them, depending from their relation.

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Preferences



In the Main Page, select Preferences



Enter Preferences

| MAIN PAGE | | 05/14/20 16:37 | |
|------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |

..3.. Wireless



In Preferences, select Wireless



Enter Wireless

| PREFERENCES | | 05/14/20 16:37 | |
|-------------|--|----------------|---|
| Weighing | | | ↔ |
| System | | | ↔ |
| Print | | | ↔ |
| Wireless | | | ↔ |
| Tools | | | ↔ |
| Utility | | | ↔ |
| Statistics | | | ↔ |



..4.. Files Reception



In Wireless, select Files Reception



Enter Files Reception

| WIRELESS | | 05/14/20 16:37 |
|--------------------|--------------------|----------------|
| External connector | Modem | ↕ |
| Baudrate | 9600 | ↕ |
| Modem | TRACKWEIGHT | ↕ |
| Protocol | Send Total Weights | ↕ |
| Files Reception | | ↕ |

..5.. Select



In Files Reception select All or a combination of the desired Files



Confirm the selected Files



The Files Reception can be activated from this page as well

| FILES RECEPTION | | 05/14/20 16:37 |
|-----------------|--|----------------|
| All | | ⊙ |
| Products | | ⊙ |
| Customers | | ⊙ |
| Targets | | ⊙ |
| Operators ID | | ⊙ |
| Vehicles | | ⊙ |
| Destinations | | ⊙ |

Diagnostics

In Diagnostics you can check and confirm that the Device and all its peripheral equipment are working properly.

..1.. Main Page



Press the key to enter the Main Page

| JOHN | | 05/14/20 16:37 | |
|-----------------|------|----------------|-------------------|
| TOTAL | ton | PARTIAL | ton |
| | 0.00 | ¹ | ⁰ 0.00 |
| PRODUCT | | | |
| SAND 0-35 | | | |
| CUSTOMER | | | |
| GREEN PLANT INC | | | |

..2.. Select diagnostic



Press the key to enter Diagnostics

| MAIN PAGE | | 05/14/20 16:37 | |
|------------------|--|----------------|---|
| Weights on Hold | | | ↔ |
| Weighing Mode | | | ↔ |
| Files | | | ↔ |
| Weights Log File | | | ↔ |
| Preferences | | | ↔ |

..3.. Diagnostics



In Diagnostics, select the diagnostic procedure you want to run



Enter the selected procedure

| DIAGNOSTICS | | 05/14/20 16:37 | |
|-----------------|--|----------------|---|
| Display | | | ↔ |
| Keyboard | | | ↔ |
| Buzzer | | | ↔ |
| Memory Devices | | | ↔ |
| Analog Inputs | | | ↔ |
| Digital Inputs | | | ↔ |
| Digital Outputs | | | ↔ |



EU declaration of conformity
(in accordance with ISO/IEC 17050-1)

No. 05

Manufacturer's name Veigroup S.r.l.
Manufacturer's address Piazza G. Zanella, 1/A
36066 Sandrigo (VI)
Italy

Object of the declaration Device for payload and data management
VEI
HelperX - HelperXE - HelperM - Millennium5

The subject of the above declaration complies with the requirements of Directive 2014/30/EU of 26 February 2014 concerning the harmonization of member State legislation regarding electromagnetic compatibility and with the requirements of the following harmonized standards and/or technical specifications.

| Documents No. | Title | Edition Date of issue |
|----------------------|--|----------------------------------|
| EN 61326-1 | Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements | 2013 |
| ISO 7637-2 | Road vehicles - Electrical disturbances from conduction and coupling | 2011 |
| ISO 7637-3 | Road vehicles - Electrical disturbances from conduction and coupling | 2016 |
| ISO 16750-2 | Road vehicles – Environmental conditions and testing for electrical and electronic equipment | 2012 |
| EN 50498 | Electromagnetic compatibility (EMC) - Product family standard for aftermarket electronic equipment in vehicles | 2010 |
| EN ISO 14982 | Agricultural and forestry machinery - Electromagnetic compatibility - Test methods and acceptance criteria | 2009 |
| ISO 13766 | Earth-moving machinery - Electromagnetic compatibility | 2018 |

Additional information

The product is marked in accordance with the requirements of Directive 2014/30/EU.
Laboratory: RadioMotive Srl - Via Tevere,63 - 22073 Fino Mornasco (CO) - Italy
Test report No.: 0259R1_19_EMCTR-2 date 2019-11-19

Signed for and on behalf of: Veigroup S.r.l.

Place and date of issue Sandrigo, 2019/12/06

Name, function
Giuseppe Valerio
Product Manager

Signature or equivalent authorized by the manufacturer

Giuseppe Valerio



info@veigroup.com
www.veigroup.com