

INSTRUCTIONS MANUAL

Graphic Super

WEIGHT INDICATORS



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THE WEIGHING INDICATOR
GRAPHIC SUPER

CREATED BY PTM S.R.L. 

IT IS DESIGNED TO FASTEN AND AUTOMATIZE THE LOAD AND UNLOAD OPERATIONS ON UNIFEED MIX-WAGONS. YOU CAN EASILY PROGRAM UP TO 150 RECIPES CONTAINING 30 COMPONENTS AND 50 UNLOADS.

THE WEIGHING INDICATOR
GRAPHIC SUPER MEMORY

CREATED BY PTM S.R.L. 

IT IS DESIGNED TO FASTEN AND AUTOMATIZE THE LOAD AND UNLOAD OPERATIONS ON UNIFEED MIX-WAGONS. YOU CAN EASILY PROGRAM UP TO 150 RECIPES CONTAINING 30 COMPONENTS AND 50 UNLOADS.

MEMORY CARD: Program Super-Data-Mix enables you to transfer rations and work data between PC and Weighing Indicator through a Compact Flash card.

THE WEIGHING INDICATOR
GRAPHIC SUPER TOPCUT

CREATED BY PTM S.R.L. 

IT IS DESIGNED TO FASTEN AND AUTOMATIZE THE LOAD AND UNLOAD OPERATIONS ON UNIFEED MIX-WAGONS. YOU CAN EASILY PROGRAM UP TO 150 RECIPES CONTAINING 30 COMPONENTS AND 50 UNLOADS.

TOP CUT: It can control knives for the product decompression inside the mixing feeder at personalised time intervals.




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SWITCHING ON THE SYSTEM

Press on switch ON and wait some seconds for the system presentation.

DISPLAY CONTRAST

You can set the display contrast with keys  . During the setting a progress bar  indicates you the contrast level.

Key H reverses display colours (white writings on black background or vice-versa).

SUPPLY-TENSION CONTROL

Keep pressed key ↑ for some seconds, if you want to know the supply tension. (i.e.: "Battery: 12.5V").

ERROR MESSAGES

ERROR 2: the programmed number of animals to unload is bigger than the programmed number of animals to load.

ERROR 3: some programmed load values are not valid.




ERROR L: system out of scale in negative.

ERROR H: system out of scale in positive. Other possible problems may be: moisture in the load-cell connectors, a broken or squashed cable, a broken load cell, or a load cell may be out of place.






ERROR 10: COMPACT FLASH CARD has not been placed correctly in the system, when the system was reading the data.

ERROR 11: COMPACT FLASH CARD has not been placed correctly in the system, when the system was writing the data.










SYSTEM RESETTING AND PARTIAL WEIGHS

Keep pressed key  (F1) until some dashes "-----" are displayed. Now the tare has been made. Press key  (F2) to enter in function "Partial weight" from the menu "Total weight". The display shows the value 0 and from now onwards every weight variation – either positive or negative – is displayed. You can go back to total weight again by pressing key  (F1).











NAME SETTINGS

Press key  (F5) in menu TOTAL WEIGHT and then in the second page you press on key  (F4). Through keys ↑ and ↓ [arrows up and down] you can choose COMPONENT LIST, or RECIPE NAME or GROUP NAME. In COMPONENT LIST you can press on key  (F4) to reset the default component names. If the system works with a Compact Flash "Memory Card", you can press on  (F3) to reset the component names saved on the card itself. Press  (F5) to go in the following sub-menus.











COMPONENT NAMES:

In this list you can find 40 product names that you can pass with keys  (F5) and  (F4). To add a new name, use arrow keys  and  to input a letter (i.e.: C), move the cursor on another figure with keys  (F2) and  (F3); input another letter with arrow keys  and  (i.e.: CO). Continue in this way until you have written a name (i.e.: COTTON). Press key  (F1) to go back to menu TOTAL WEIGHT.












RECIPE NAME:

In this menu you can name each recipe. For instance, if you want to name recipe no.3, press key  (F5) until you can read "Recipe No. 3". Input a letter (i.e.: C) with arrow keys  and , move the cursor with keys  (F2) and  (F3) and input another letter with arrow keys  and . Continue in this way until you have written the wanted name (i.e.: COWS). If you want to name another recipe too, press keys  (F5) and  (F4) to choose it, then name it as above explained. Press key  (F1) to go back to menu TOTAL WEIGHT.








GROUP NAME:

In this menu you can name each of the 100 available groups. Press key  (F5) to select the wanted group (i.e.: "Group No. 3"). Input a letter with arrow keys  and  (i.e.: C), move the cursor with keys  (F2) and  (F3) and input another letter with arrow keys  and . Continue in this way until you have written the wanted name (i.e.: COWS). If you want to name another group too, press keys  (F5) and  (F4) to choose it, then name it as above explained. Press key  (F1) to go back to menu TOTAL WEIGHT.

GROUP SETTINGS

Press key  (F4) in menu TOTAL WEIGHT: you are now in menu UNLOADS. Here press key  (F2) to go to group settings. The group number and name are displayed in the upper part of the screen (i.e.: "Group No. 1" and "COWS"). Pass the list of the 100 available groups with keys  (F5) and  (F4). You can set the quantity of animals and the % variation for each group. The selected value can be modified with arrow keys  and . To select the other value (either quantity of animal or % variation), press once key  (F2), then modify it with arrow keys  and . The selected value can be cancelled with key  (F3). When you are ready, go out of this menu with key  (F1).

RECIPE SETTINGS

Press key  (F3) in menu TOTAL WEIGHT; select a recipe with arrow keys  and . Press key  (F2) to begin with the component programming. On the display you will read R. 01 and the recipe name if it is memorised, C1 (component 1) and 0.0 (Kg. per animal). Input the quantity in Kg of the first component with arrow keys  and . Press key  (F3) to cancel the input

quantity. Input the component name with key **Abc..** (F5) that allows you to associate this component to a name present in the COMPONENT LIST. Select a name from the list with arrow keys ↑ and ↓ and save it with key **Exit** (F5). If you press **🔊** (F4), you can set a percentage for the alarm start. You can modify it with arrow keys ↑ and ↓, then memorise it through key **Exit** (F1). When you have saved the first component name and quantity, you can pass to the following component with key **M** (F2). When you have programmed all 30 components, press again key **M** (F2) to set the MIXING TIME. Set the length of the mixing in minutes with arrow keys ↑ and ↓. At the end load the mixer will work for this set time, and then an alarm will play for some seconds. Press **M** (F2) again to read the TOTAL QUANTITY TO LOAD. Press **%** (F5) to set a percentage variation for all recipe components. Modify the percentage through arrow keys ↑ and ↓, and memorise it through key **Exit** (F1). Press **M** (F2) again to read the RATION PER ANIMAL. At the end of this programming you can press either **T** (F1), **M** (F2) or **Exit** (F4) to go back to MENU loads. In MENU LOADS you can press **Exit** (F1) to go back to menu TOTAL WEIGHT.

UNLOAD SETTINGS

You can go in this menu in two ways. Start from menu TOTAL WEIGHT and:

→ press **IN** (F3) to go in menu LOADS, then press key **🐄**.

→ press **OUT** (F4) to go in menu UNLOADS, then press key **🐄**.

"S1: 0" (Load 1: 0) will be displayed. [You find S, which is the first letter of scarico=unload in Italian].

Select the animal group for the first unload with arrow keys ↑ and ↓. The weighing system will calculate:

- ✓ Number of animal for this unload
- ✓ Kg of the ration per animal
- ✓ % of recipe variation, if set
- ✓ % of group variation, if set.

When you have to unload, you will read the total quantity to unload in Kg. Pass to the following unload with key **M** (F2). Repeat this operation for all the unloads you have to do (max. 50).

Deselect the visualised group with key **0** (F3). Cancel the whole recipe with key **%Ric** (F5).



Press **Exit** (F4) to go back to the previous menu (either menu unloads or menu loads).

COMPONENT SEQUENCE

You can find key **Auto** (F5) both in menu LOADS and in menu UNLOADS. If you press it, you go in a menu where you can choose to pass the components either automatically or manually during the load. Choose either AUTO (automatically) or STOP (manually) with arrow keys ↑ and ↓. Press



Exit (F5) to confirm and to go out of this sub-menu.

AUTOMATIC LOAD OPERATION



In menu TOTAL WEIGHT press key  (F3) to go to menu LOAD. Choose the recipe to load with arrow keys ↑ and ↓. Begin the load operations with key  (F3). If you have chosen the automatic component sequence you will read for instance:

- ✓ "R.: 01" (recipe 1)
- ✓ "C.: 1" (component 1)
- ✓ the quantity to load in Kg (i.e.: 350)
- ✓ the component name (i.e.: straw).

Load this component on the wagon. When the percentage of "alarm start" is reached, the alarm plays intermittent. When the 100% of the set weight is reached, the alarm plays continuously for a set period. Then the weighing system passes automatically to the following component. When all the components have been loaded, then the weighing system will count the MIXING TIME, if it is set. If the weight to load is quite little, and you cannot detect a precise quantity on the wagon, a message will be displayed: "MANUAL DOSAGE OF THE COMPONENT" with the effective quantity to load. The weighing system will not detect the weight and will wait for the operator confirmation that he has loaded this component manually: this confirmation can be done with key ↑. In every




moment of the load you can press key  (F4) to read the total weight in the wagon. You can press key  (F2) in every moment of the load, to repeat the load in progress.


MANUAL LOAD OPERATION

In menu TOTAL WEIGHT press key  (F3) to go to menu LOAD. Choose the recipe to load with arrow keys ↑ and ↓. Begin the load operations with key  (F3). If you have chosen the manual component sequence you have to choose the components to load. You will read on the screen:

- ✓ recipe number and name (i.e.: R: 1 COWS)
- ✓ component 1
- ✓ component 2
- ✓ component ...

All the component will be displayed, 5 for each page. You can pass the components of this recipe with arrow keys ↑ and ↓. If the components are more than five, you can pass the different pages



with keys  (F5) and  (F4). When you have chosen the component to load, press key  (F3) and load this component. At the end of each component load the weighing system

goes back to this menu, where you can select another component of this recipe. Press key  (F2) to read the complete list of components: an "X" near the component name means that this component has already been loaded. If you want to load it again, the weighing system asks for a confirmation with a message:

"C 2 straw has already been loaded. Continue?"

Press  (F1) to continue; press  (F5) to cancel this load.

UNLOAD OPERATION

In menu TOTAL WEIGHT press key  (F4). Choose the recipe you want to unload with arrow keys ↑ and ↓. Press key  (F3) to start unloading. You will read on the screen:

- ✓ "R.: 01" (recipe 1) – the selected recipe
- ✓ "S.: 1" (unload 1) – the unload in progress

Istruzioni Graphic Super

- ✓ the quantity to unload in Kg
- ✓ the atmospheric temperature

Unload the feed. When the 85% of the set weight is reached, the alarm plays intermittent. When the 100% of the set weight is reached, the alarm plays continuously for 6 seconds. In every moment of the load you can press key **T** (F4) to read the total weight in the wagon. You can press key **RIP** (F2) in every moment of the unload, to repeat the unload in progress. At the end of the unload the system asks you to input the appetite in %: it is for statistical purposes. If the animal has eaten up all feed, you can input 100%. If the wanted more feed, you can input for instance 110% and if they have eaten less, you can input for instance 90%. Use arrow keys ↑ and ↓ to change % and press key **Ok** (F3) to confirm it.

WEIGHT BLOCK

When the wagon is moving, you better block the weight with key **Block** (F1). To work again press key **Sblock** (F1). If you have not blocked the system and the weight has changed, you can reset it with key **RIP** (F2). You can always go out of unload/load operation by pressing key **Exit** (F5) for some seconds.

ENVIRONMENT TEMPERATURE

During load/unload operations you can always read the environment temperature in Celsius grades.






STORAGE

In this menu you can read the consumption sums of each recipe divided in components. Each time you enter this menu, you can choose either to keep the data and go on counting or to cancel them and begin a new sum. From menu TOTAL WEIGHT you can pass to page 2 pressing on key **→** (F5). Then press on key **Acc** (F2) to go into menu STORAGE. Choose a recipe with arrow keys ↑ and ↓, then press **Acc** (F2). You will read the recipe number and name (ex.: "R. 1 COWS"), the storage number (ex.: "Storage N. 1") and the loaded kilos Kg for that component during the usage period. Press again key **Acc** (F2) to pass to the following storage. Press key **0** (F3) to set to zero the displayed storage. Press key **0/Ric** (F4) to set to zero all the storages of the selected recipe. Press key **T** (F1) to go back to menu TOTAL WEIGHT.


MEMORY CARD

Some systems can work with a COMPACT FLASH card for the data transfer from/to PC. Whenever you make a change that affects the data of the card, the system will ask you to confirm this change. Ex.: "< GRUPPI.TXT > Do you want to overwrite this file on the card?". Press **Ok** (F1) to confirm or **Exit** (F5) to cancel. The system gives you a confirmation message for every operation saved on the card.


LANGUAGE SELECTION (CODE 90)

In menu TOTAL WEIGHT press together keys  (F1) and  (F2) for 10 seconds until you can read "Codice 01". With arrow key ↓ set the second figure to 0 ("Codice 00"); then move the cursor left to the second figure with key  (F2) and input number 9 with arrow key ↓ ("Codice 90"). Press key  (F1) and choose your language with arrow keys ↑ and ↓ (ex.: "I - Italy"); press  (F1) to confirm.





WORK WITH PRINTER: (CODE 81)

Select "Codice 81" (see instruction in LANGUAGE SELECTION) and press  (F1). Use arrow key ↑ and ↓ to set

- ✓ "Print: On" if you want to work with a printer;
- ✓ "Print: Off" if you want to work without a printer.

Press  (F1) to confirm.

TIME

If you want to read date and hour, press key  (F3). You can modify them each figure with arrow keys ↑ and ↓, and pass from a figure to another with keys  (F2) or  (F3). Press  (F1) to confirm and go out.

WARRANTY

PTM production represents the expression of the most advanced technology in the field of dosing and weighing systems. Employed materials are of the highest qualitative level present in the market. Each device, before leaving our laboratories, is submitted to foreseen checks and control tests. Things being so we are able to guarantee the systems to be free from defects in material and factory workmanship for a period of 24 months from purchase date. However, during warranty period, PTM engages itself to freely repair or replace the faulty spare-parts charging only the labour and carriage charges. Warranty has to be considered on "Free PTM Visano headquarter" basis.

Conditions:

This warranty does **not cover**:

- ✘ Damages caused during transport or movement of the goods, since products are furnished on ex works loaded basis.
- ✘ Costs and risks of transport related, directly or indirectly, to warranty of the product. It is also referring to the carriage from assistance centre to customer and vice versa.
- ✘ Periodical controls, handlings and reparations or replacements of spare parts, due to normal wear and tear of time.
- ✘ Accidental breakages, due to incorrect use or carelessness.
- ✘ Costs born by PTM Assistance centres for modifications or necessary interventions said to adapt the product to specific technical or security needs, or in order to adhere the rules of the different Countries, as well as for all charges to be born to match products with modified operatives conditions which occurred after relevant delivery.
- ✘ Violation, cancellation, removal of identification label which is always stuck on our products.
- ✘ Damages to this product due to carelessness, falls, displacements, incorrect use and because of following reasons:
 - Missing use of the product for its own normal purposes or in case of improper use and handling of the products and so not in conformity with PTM instructions at this matter.
 - Not observance of installation and use instructions or use in contrast with security or technical rules in force in the Country where the product has to be used.
 - Reparations made by people or assistance centres not duly authorised by PTM.
 - Accidents or consequences due to theft of vehicle transporting PTM product, acts of vandalism, thunderbolts, fire, humidity, liquid infiltrations, inclemency of the weather.
 - Addition or integration in device neither furnished nor recommended by PTM, failing expressed written agreement.
 - Use for a different purpose than what the product is destined.

To get the warranty acknowledgement it is necessary to keep a document which is fiscally valid and proving the date of purchase.

This warranty does not prejudice customer's rights duly reserved by the Law as well as the national rules still into force, not even prejudice customer's rights towards the seller coming from purchase and sale contract. In case of lack of a national law this warranty will be the only and mere customer's protection and, neither PTM nor its distributor will be responsible for any accidental or in direct damage, for the violation of any implicit or explicit warranty of this product.



DECLARATION OF CONFORMITY

The included products satisfy the requirements of the Directive 89/336 EEC.

Manufacturer's name P T M S.r.l.
Manufacturer's address Via per Isorella 22A 25010 Visano BS ITALY

DECLARES THAT THE FOLLOWING PRODUCTS

Product name **Electronic weighing system**
Models **Graphic Super**

IN ACCORDANCE WITH EMC SPECIFICATION BASED ON THE FOLLOWING RULES

- EN 61000-6-3 (2002)
 - EN 55022 (1999) IRRADIATED EMISSION CLASS B
 - EN 55022 (1999) LEADED EMISSION CLASS B

- EN61000-6-1 (2002)
 - IEC 61000-4-2 (1996) Electrostatics discharging STANDARD B
 - IEC 61000-4-3 (2003) Irradiated fields STANDARD A
 - IEC 61000-4-4 (2006) Quickly Transistor/Burst STANDARD B
 - IEC 61000-4-5 (1997) Pulses/Surges STANDARD B
 - IEC 61000-4-6 (1997) Interferences caused by radio frequency fields STANDARD A

SIGNAL AND SUPPLY LINES: DIRECT CURRENT

The products have been tested under a typical configuration.

VISANO 02-05-2006

Compliance Engineer
Ing. Vittorio Michelotti



In Europe: Get in touch with sales and service department of Ptm s.r.l. via per Isorella 22/A
25010Visano (BS). Tel. +0039 030-9952733 Fax +0039 030-9952818