

GI620

USER MANUAL

EN
INDICATOR WITH FUNCTION
AXLE WEIGHING

V.3.2
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GIROPES

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1. INTRODUCTION

- This version of the device is designed to work with a maximum of 2 channels.
- Place the platforms on a completely flat and level surface, and leave them well aligned.
- The platforms should be mounted with mats for a better leveling and to avoid vibrations. In the case of having the platforms embedded in the ground, mats will not be necessary.
- With this device its possible to weigh the axles of the vehicle in static mode (with the vehicle stationary) and also in dynamic mode (with the vehicle moving at low speed). In last case, the passing speed of the vehicle will be recorded and printed.
- Printing of the weights with totalization of the axes. Its possible to print a subtotal of the weighing done so far (for example: print the weight of the tractor and/or trailer). Up to three subtotals can be obtained for each full weighing.
- Diifferent codes can be associated to the weights. There are four different register of 400 codes each, the plate and 3 more register.
- The USB port is optional. It is used for uploading/downloading register and weights (weights can only be downloaded).

1.1 DISPLAY LCD

The Gi620 indicator has an LCD display with 6 digits of 27mm, with 14 segments per digit.

1.2 PLATFORM MANAGEMENT

- It is possible to visualize the sum of the active platforms or see the weight of one at a time.
- Totalize the weight of the axles, achieving the subtotal weight of the truck and the total withtrailer
- Print the displayed weight, and the total weight of a vehicle.
- During the weighing of a composite vehicle (tractor + trailer), possible to print the subtotal of the trailer and the truck.

1.3 FILE MANAGEMENT

It is possible to manage 4 files of **400 codes** each (Plate and 3 free Register)

This files are used for the management of the codes to associate to the weighings.

1.4 WEIGHT MANAGEMENT

It is possible to store a maximum of **1000 weighings** with warning of almost full memory (80%).

1.5 FUNCTIONS

The functions are as follows:

- **Zero acquisition**
- **Tara, Manual Tara, Cancel Tara, activate or deactivate the Tara key. (only Tare_version)**
- **Weighing / printing with axle totalization**
- **TOTAL Printing**
- **Printing of totals of weighings (lists)**

1.6 PRINTER

The peripherals enabled to make the printouts are the following:

- thermal ticket printer type 40 columns (**built in**)

1.7 PC MANAGEMENT

- Management and configuration (setup) via PC.
 - GiManager
 - Upload/download files and weighings via **optional USB** in format *.csv (Format of USB-stick must be FAT32)
- Continuous data transmission.
- Connected to PC or repeater via **COM2** (RS-232)

1.8 TICKET FORMAT

It is possible to modify and select the print fields related to the Weighing tickets using the GiManager software

1.9 BATTERY POWER

The device has an internal battery that allows operation also during a drop in mains power. **Battery life (fully charged) is approx. 360min.**

2. GENERAL CHARACTERISTICS

POWER SUPPLY	110-240V AC 50/60Hz, or with external power supply 12V DC 2A or with internal rechargeable lithium-ion battery as standard.
OPERATING TEMPERATURE	-10°C to +40°C
DISPLAY	LCD DISPLAY of 6 digits, h 27mm. and 14 segments
SIGNALS	Multiple on-screen status indicators
KEYBOARD	ALPHANUMERIC WATERPROOF KEYBOARD with 12 keys and 7 operation keys.
INTEGRATED CALENDAR CLOCK	as standard
TARE FUNCTION	Subtraction possible according to the capacity. If it has been activated, it is subtracted to the current value. (out of metrology only)
DISCHARGED BATTERY WARNING	Indicated by symbol on the display.
MAX RECHARGE TIME	Approx. 5 hours
POWER CELLS	5V DC (max. 12 cells of 350 Ohm or 34 cells of 1000 Ohm)
CONNECTION LOAD CELLS	4 cables plus SENSE
OUTPUT COMMUNICATIONS	input /output RS232(COM2) configurable for connect with PC/PLC or a repeater. 1 OPTIONAL USB input/output (csv). For the transfer of the weighing table.
ALIBI/DSD MEMORY (OPTIONAL)	for storage with unique identifier of the last 400,000 weighings made.

POWERSUPPLY AND BATTERY

The GI6xx devices are powered with a mains voltage of 100-240V AC. For the connection with the power supply, safety regulations must be respected, including the use of a line “free” of interference caused by other electronic devices.

Battery life: Approx. 6 hours with the device connected to 1 single cell and printing tickets continuously.

Battery recharge: connect to the network for approx. 5 hours.

Note: At the first installation of the device, we recommend to fully charge the battery.

BATTERY FEATURES

Material: Lithium ion

Power: 2600mAh

Voltage: 7.4V

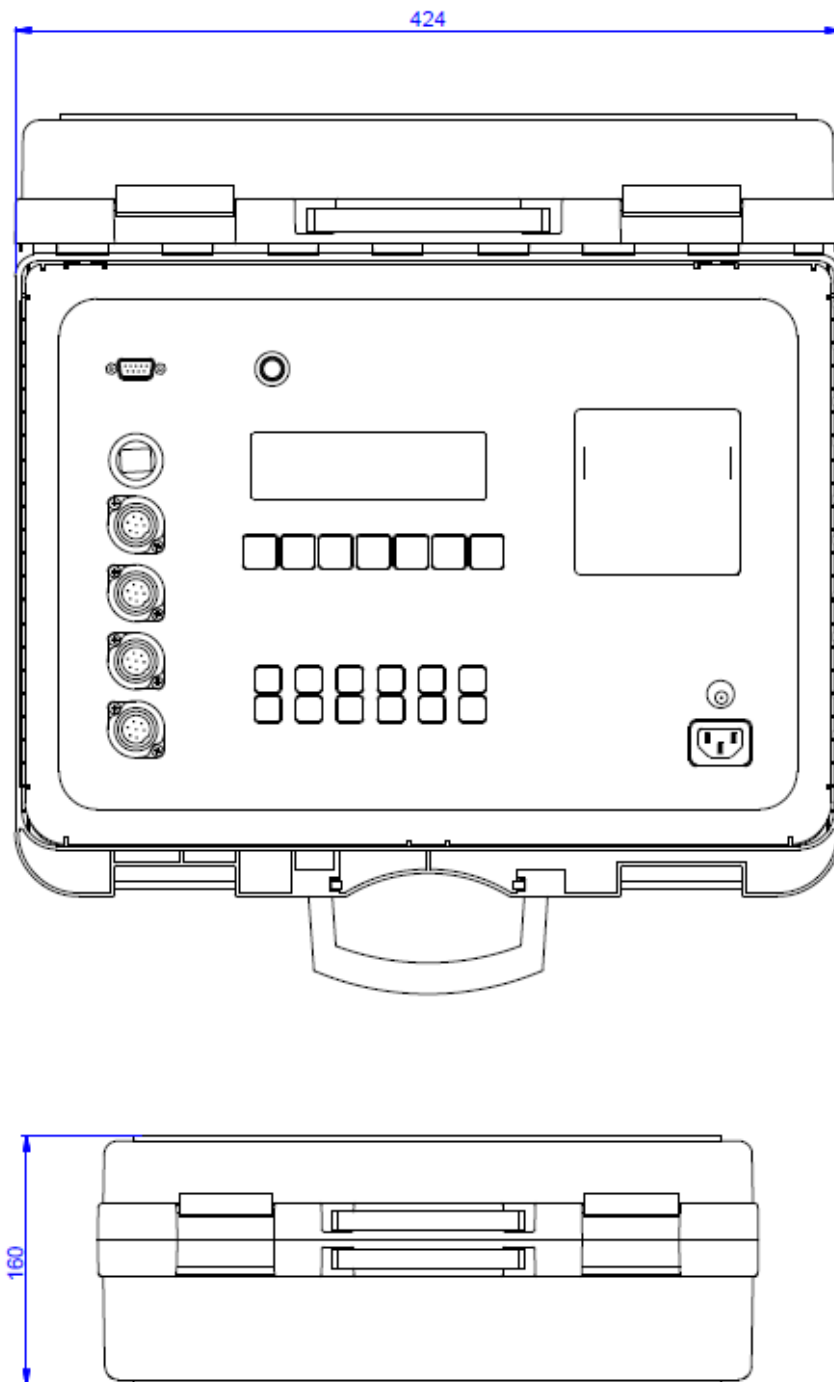
THE BATTERY HAS TO BE REPLACED BY THE MANUFACTURER

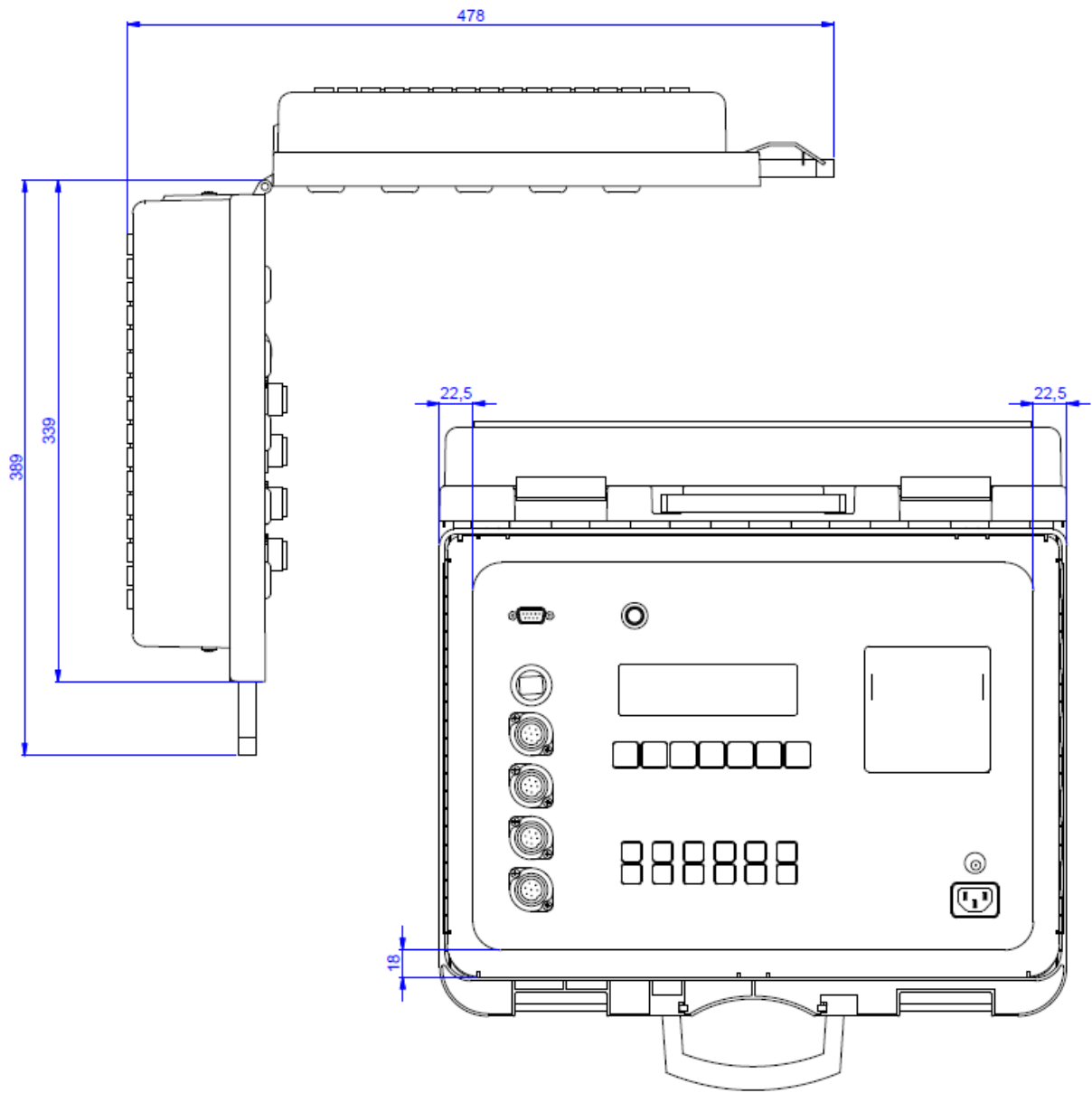
Do not connect other appliances to the same outlet.

Do not step on or crush the power cord.

TO TURN ON the instrument press the ON/OFF button, you will see that the LED indicator of the power button lights up.

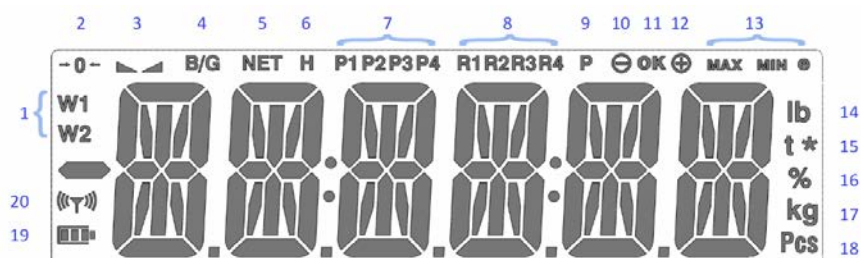
2.1 DIMENSIONS











3. DISPLAY SYMBOLS

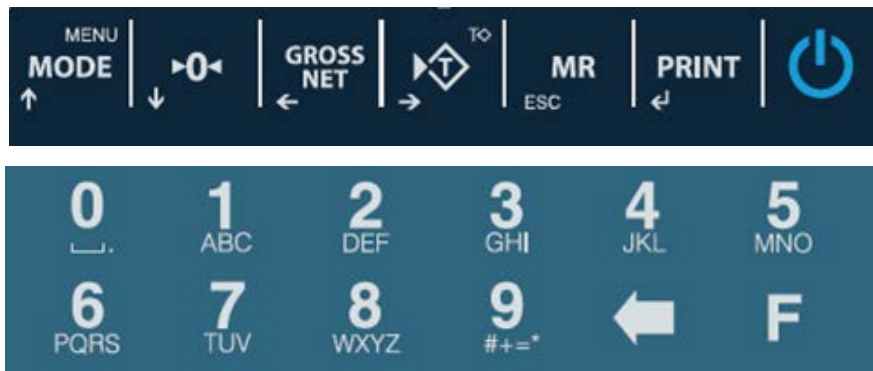
The LCD display has various symbols that indicates the operating status of the indicator. The function of each symbol is described below.










NUMBER	SYMBOL	FUNCTION
1	W1 W2	Is showing the weighing range
2	→ 0 ←	Indicates that the weight detected is within the range of zero calibration, included in the range -5% FS and +15 FS.
3	▴ ▾	Indicates that the weight is stable.
4	B/G	Indicates that the value displayed is a gross weight.
5	NET	Indicates that the value displayed is a net weight.
6	H	Not used
7	P1 P2 P3 P4	Indicates the channel or channels in use.
8	R1 R2 R3 R4	Indicates the record or records in use.
9	P	Indicates that a memorized tare has been activated, previously stored in the database (F50). (only in the version with tara)
10	⊖	Not used
11	OK	Indicates that connected USB stick has been detected
12	⊕	Not used
13	MAX MIN e	During the visualization of the metric information: "MAX" shows the capacity of the indicated platform; "MIN" shows the minimum weighing of the indicated platform; "e" shows the step of the indicated platform.

14	lb	Indicates unit pounds for version out of metrology lb
15	t	Indicates that a tare is activated
16	%	Not used
17	kg	Indicates the unit of weight in use, kilograms.
18	Pcs	Not used
19	    	<p>Indicates the battery charge level:</p> <ul style="list-style-type: none"> -3 brands, full battery. -2 brands, medium battery. -1 brand, low battery. -0 marks, very low battery, imminent shutdown if not plugged in. -When charging battery the indication flashes
20		Indicates that a connection with the platforms has been made . (for Wireless versions only)

4. KEYS FUNCTION



KEYBOARD GI620	DESCRIPTION OF THE EXECUTABLE FUNCTION
	Power key: Turn the indicator on and off
	Short press: access to the user menu Long press: Access to the technical menu In the edit menus: increase the digit in editable Menu
	Short press: performs manual zero if the value displayed is within the margins of this function In the edit menus: decrease the digit in editable Menu
	Short press: changes the display from gross to net and vice versa if a tare has been performed Long press: Input a manual tare. <i>(only in Tare_version)</i> In the edit menus: move editable digit to the left
	Short press: performs the tare function, subtracting the current weight. Long press: Deactivate the tare that is active. <i>(only in Tare_version)</i> In the edit menus: Move editable digit to the right.
	Short press: totalize and print the ticket Long press: reprint the last printed ticket. In the edit menus: Short press: clears the value in editable menu. Long press: returns to the previous menu.
	Short press: Accumulate and print the Axle in static mode. Long press: Performs the subtotal of the weights stored so far. Up to 3 subtotals can be performed within the same accumulation. In the edit menus: save the changes made and return to the previous menu.



In the edit menus: In the numeric menus, directly enter the digit represented on the key.

In alphanumeric menus, the letters or symbols described.

Pressing **F** change from letter to number and vice versa.

The left arrow serves to delete one by one the last digit in editing.

The key, pressed from the weighing mode can be **F** combined with two digits to have direct access to different functions or menus of the device.

In the weight-window, first press the **F** key followed by the two corresponding numbers in the table, entered one by one.

F10	Access the edit menu of the Plate register
F11	Access the activation menu of the Plate register
F12	Deactivate the currently active Plate register
F20	Access the edit menu of the Register 1
F21	Access the activation menu of the Register 1
F22	Deactivate the currently active Register 1
F30	Access the edit menu of the Register 2
F31	Access the activation menu of the Register 2
F32	Deactivate the currently active Register 2
F40	Access the edit menu of the Register 3
F41	Access the activation menu of the Register 3
F42	Deactivate the currently active Register 3
F50	Access the edit menu of memorized tares (<i>only in Tare_version</i>)
F51	Access the activation menu of memorized tares (<i>only in Tare_version</i>)
F52	Deactivate the currently active memorized tare (<i>only in Tare_version</i>)
F70	Deletes the table of weighings performed
F71	Delete the Totals of the Plate register (TOTREG option) or delete the info of Plate register completely (ALLREG option)
F72	Delete the Totals of the Register 1 (TOTREG option) or delete the info of Register 1 completely (ALLREG option)
F73	Delete the Totals of the Register 2 (TOTREG option) or delete the info of Register 2 completely (ALLREG option)
F74	Delete the Totals of the Register 3 (TOTREG option) or delete the info of Register 3 completely (ALLREG option)
F75	General delete. Eliminates the weighing table, as well as the Plate register and Register 1, 2 and 3
F76	General delete of programmed tares. Eliminate the table of memorized tares (<i>only in Tare_version</i>)
F80	Sequential activation of records previously saved in memory. Plate register, Register 1, Register 2 and Register 3
F81	Sequential introduction of information (free, without previously storage in memory). Plate register, Register 1, Register 2 and Register 3
F90	In static automatic or dynamic mode, it allows you to configure the number of axles. (In these two working modes it is mandatory to enter the number of axles in order to operate)
F96	Activates the static manual axle-weighing mode. Channels P1 and/or P2
F97	Activates the static automatic axle-weighing mode. Channels P1 and/or P2
F98	Activates the dynamic axle-weighing mode. Channel P3 (P4 in this case does not act as a channel but as a connector in the case of working with two platforms in this mode)



It is also possible to access functions directly by pressing the number keys on the keyboard.

0	Switch to static mode and displays the sum of the active channels. By Default channel 1+2
1	Switches to static mode and displays channel 1
2	Switches to static mode and displays channel 2
3	Switch to dynamic mode and display channel 3 (connectors 3 and 4)
4	Switch to dynamic mode and display channel 3 (connectors 3 and 4)
6	Sequential activation of registers previously saved in memory: Plate register, Register 1, Register 2 and Register 3 (Same as F80)
7	Short press: Sequential introduction of information (free, without previously storage in memory). Plate register, Register 1, Register 2 and Register 3 (Same as F81) Long press: Cancels the actual accumulation and deactivates all active Register
8	Direct access to the time editing menu
9	Direct access to the time editing menu

5. BASIC CONFIGURATIONS

5.1 SETUP

The indicator has two clearly differentiated menus, the USER and the TECHNICAL menu. Within the configuration menu we find the Metrological parameter (*MET.CNF*), which is protected by the CALIBRATION JUMPER or by a password depending on the working mode (OPEN or CLOSED calibration).

The device can be in OPEN CALIBRATION mode: in this case the user has access to all the parameters of the equipment. The metrological parameters are protected by the password.

The equipment can be in CLOSED CALIBRATION mode: in this case the user has access to all the parameters of the device **except the metrological parameters**.

5.2 PASSWORD

The password by default is 0000




This can be changed whenever desired inside the menu *SECUR*

5.3 CLOSED CALIBRATION (RESTRICTED METROLOGICAL PARAMETERS)


In mode *CALCLO*, the Metrological parameter (*MET.CNF*) cannot be accessed.

To access the restricted part of the device in CLOSED CALIBRATION mode, it is necessary, **while on the weighing screen**, to remove and put back the **calibration jumper**. In the GI620 device this is placed on the CPU-board. See the technical manual for detailed information.

5.4 USER MENU

Being in the weighing screen, press the key  once, to access to the user menu. Use the arrow keys  as well as  to move through, as well to access and exit the menus.

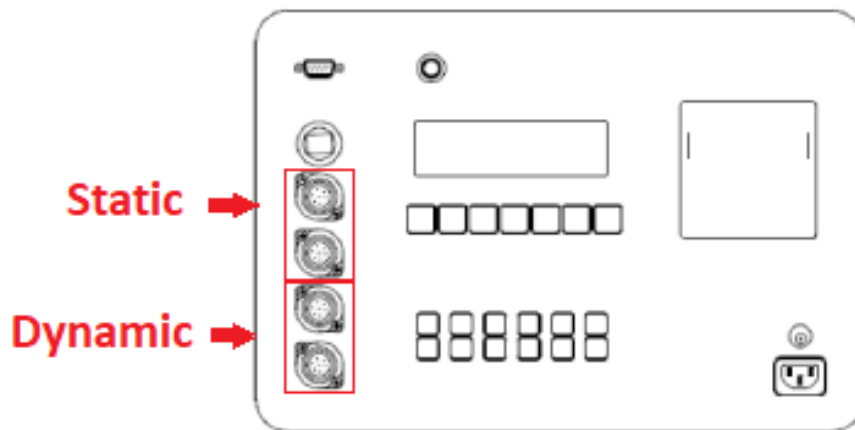
The user menu is detailed below:

SEL Pt	PLtF 1 - Displays platform 1 if enabled and switches to static mode PLtF 2 - Displays platform 2 if enabled and switches to static mode PLtF 3 - Displays platform 3 and switches to dynamic mode.
SuM Pt	Displays the sum of platforms in static mode, whenever more than one is enabled. If there is only 1 platform enabled, it shows a message indicating that the sum is not possible.
AL ib i	in id 000000 - ALIBI/DSD ID input in codu 000000 - INTRODUCTION of ALIBI/DSD CODE Once both values have been entered, and the optional ALIBI/DSD is plugged on the device, the data stored in the memory corresponding to the code entered is displayed.
by 10	shows the tenth of the step (high resolution x10). Press  to exit high-resolution mode. In Closed Calibration mode its displayed for approx. 5s. The high resolution function is only displayed on single channels, never in the sum.
nt icF	edition of the ticket number, only if the access is not locked (see technical manual)
L iStS	totALS rEStEt n - printing of the list of totals and don't erase the memory. rEStEt Y - printing of the list of totals and erase the memory. (This process only deletes the totals, to delete the weights, you have to access to the database)
EHPort	downloads the weighing table in .csv format: By COM2 (capturing the file using RealTerm software) or by USB (if the optional USB is connected) with separation of columns by “,” or “;”. With the correct country separator, Excel opens ell csv in columns.
iNPort	Import the editable register (only with optional USB plugged)
dAtEbAS	Fastacces to the database menu (see Settings menu.)
StAt ic	nAnuAL - static working mode, platforms 1 and/or 2. The storing of the axle-weight is made according to the option selected in COMMS -> WEI. TRG which can be manual, (pressing PRINT) or stable, (the weight being stable on the platform for 3s). Totalization is done by pressing MR
Aut o	static working mode, platforms 1 and/or 2. AHS 00 - introduction of the desired number of axles (from 1 to 10). The storing of the axle-weight is made based on the option selected in COMMS -> WEI. TRG as in the previous case. Totalization is performed automatically once the number of axles previously entered has been reached.
dyNAn i	accesses dynamic mode settings (connectors 3 and 4) AHSnAn - allows you to enter the desired number of axles manually by selecting YES and typing the value in AHS00. We can also put it in NO, in this case the device works with a timeout. Totalization is performed automatically once the number of axles previously entered has been reached.

TIMEOUT-> maximum time that can elapse between axles. After this time the indicator automatically totalize the axles. (1 – 99)

STOP-> finish dynamic weighing mode, but continues to display channel 3 data

Note: In the case of automatic static axle-weighing mode and dynamic axle-weighing mode, the introduction of the number of axles is mandatory in order to work. Is possible to change the number of Axles before each Accumulation, if desired. Therefore, you can enter the desired number of axles in the user menu of the automatic manual mode, or with the **F90** fastaccess.



5.5 TECHNICAL MENU

The device allows you to modify a series of parameters that are in the setup menu **without knowing the password**.

To access this function, while on the weighing screen, press the key **MENU MODE** for at least 3 seconds. Use the arrow keys to move, access and leave the menus.



com1 - number of bytes / parity / stop bits / baudrate / Protocol / Sending mode.

com2 - number of bytes / parity / stop bits / baudrate / Protocol / Sending mode.

com3 - number of bytes / parity / stop bits / baudrate / Protocol / Sending mode.

The available protocols are: Giropes, Sipi 2, ALIBI, Sensocar, Printer, Giconf

Printer - Adjustment of the printersettings of the COM ports

com1b **Prcom1** - COM1 Settings

ModEL - ASCII / PLUS2

EscFEt - Default / Custom

Prcom2 - COM2 Settings

ModEL - ASCII / PLUS2

EscFEt - Default / Custom

BE t-rG -Sending mode in which way the Weighings are stored: Manual / Stable / No

dAtE - Setting of the system date.

rEGcnF **t tNE** - Setting of the system time.







LAncGE - Setting of the system language (including the printouts): Spanish / English / French/Portuguese / Italian / German / Basque / Catalan / Galician.


conf	BACKL - Backlight settings: ON/OFF and default color settings
	BLock IC - blocks access to the edition of the ticket number (password is required to access)
	TYPE - Selection of the channel or channels to use in static mode
	SINGLE - only uses channel 1 or 2
	DUAL - Both channels are used
	dynPAR - Dynamic parameter settings (password required to access)
	d.in - platform size in the direction of circulation
	tr.IGG - minimum weight from which you start collecting samples
	delta - internal values
	AUG - internal values
	debug - to send the point cloud through the COM
	ENCIP - internal values
	SPEED - internal values
	coef - internal values
	FHE - internal values
Database	TABLES - Table of the registers in memory
	REG. IS - Edit, activate and deactivate the desired register
	DELETE - Delete data or register
	TAREPR - Edit, activate and deactivate the pre-Tara register
	buf. inf - Select whether to display or not, and when to display full buffer information
Security	renAME - Modify the name of the registers: Plate / Reg 1 / Reg 2 / Reg 3
	Menu for to change the password (by default 0000)
Diagnostic Menu	NU - Displays the signal received by the indicator in mV.
	ICount - Displays the signal received by the indicator in internal accounts.
About	WEM
	WERS io - Displays the WEM version on the screen
	CRC - Displays the CRC value of the weigh module..
	LOG EU - Prints the event log
	ERR EU - Prints the event log
	UPd EU - Prints the event log
	VER - Displays and prints the different versions into which the firmware is divided to.
Reset to fabric settings	MET. inf - Displays the metrological information of the active channel or the sum of channels, depending on what is currently active
	WZER - Restore the not metrolocal Settings (e.g. ticket format, COM parameters etc.)
	WEM - Restore metrological Settings (requires the Password & only in Cal_open)


6. BASIC FUNCTIONS


The functions described below are those performed during the operation of the device, in normal weighing window.

6.1 ZEROING THE SCALE



The first step is to select the desired channel. To do this, press the key  once and the **SEL PL** menu will appear. Select the desired platform with the arrow keys. Validate with . Also is possible to press the keys   or the key  to see the sum of channels in static mode. Press  to go to dynamic mode, and display the connected platforms on channels 3 and 4.

Once the device shows the weight value of the desired platform/s, press the key , it assumes the function of zeroing the weight in the modality described below in reference to current regulations.

- The weight stable (indication of stable weight  on);
- Weight value not less than -5% max. with respect to the zero calibration of the scale;
- Weight value not exceeding 15% of Max. with respect to the zero calibration of the scale.

The indication  indicates that the function has been performed.

6.2 ACQUISITION OF TARE (ONLY IN TARE_VERSION)

To perform a tare, press . The indication  will turn on.

If its necessary to perform another tara, press the key  again.

To see the gross weight (container plus contents) press the key .

If press the key  again, the net weight will be displayed again.

6.3 MANUAL TARE (ONLY IN TARE_VERSION)

The device allows to insert a manual tare by pressing the key  for two seconds. Introduce the desired Tare-value, by using the numeric keypad (or the Arrow keys), and press the key  to confirm.

6.4 TARE FILES IN MEMORY (ONLY IN TARE_VERSION)

The device allows to insert memorized tares. Access to the settings menu by pressing the key  for approx. 2s. In the settings menu move through, with the arrow keys till **dAtAbAs -> tAbLEs -> tArEP** and press  to access.

In this menu there are 3 possible options:

- edit/create a memorized tare
- activate one of the memorized tares previously stored
- deactivate the current active memorized tare

Use the arrow keys to move, access and leave the menus . The numeric keys  to modify or insert the tare value, and the key  to validate each menu..

You can also access the **tArEP** menu to edit by pressing **F+5+0**, activate a memorized tare with **F+5+1** or deactivate the current active memorized tare with **F+5+2**.

6.5 CANCELLATION OF THE ACTIVE TARE (ONLY IN TARE_VERSION)


To deactivate the current tare, press  for approx. 2s

6.6 DISABLE THE TARE KEY (ONLY IN TARE_VERSION)

It is possible, for convenience, to disable the function of the tare key. To deactivate the tare key, see the Technical manual.

6.7 SUBTOTALIZATION

At any time within the accumulation, it is possible to make a subtotal of the weights taken so far.

To do this, press the key , for approx. 3s. The device will subtotalize the weights stored so far. Within each totalization a maximum of 3 subtotals can be done.

6.8 REPRINT THE LAST PRINTED TICKET

The device allows to reprint the last printed ticket.





To do this, press the key  for approx. 3s

7. STATIC AXLE WEIGHT: F96 AND F97

List of operations to be carried in the different weighing operations.

7.1 WEIGHING WITH AXLE TOTALIZATION MANUAL F96

PRESS F+9+6 TO ACTIVATE MANUAL AXLE-WEIGHT WORKING MODE


1. First the device will ask, to work with both platforms P1 and P2 or only with one of the two Platforms.
2. If necessary, press the key  to set the scale back to 0.
3. Position the **first axle** of the vehicle on the platform(s)
4. When the weight is stable, press the key . The device will store this weight and print the according part of the ticket.
5. Discharge the platform(s)
6. Position the **second axle** of the vehicle on the platform(s)
7. When the weight is stable, press the key . The device will store the second weight and print the according part of the ticket.
8. Discharge the platform(s)
9. Repeat the operations for the remaining axes.
10. Press the key  to finish the accumulation and print the total weight of the vehicle, and the total number of axles weighed.

Note: It is also possible to perform the accumulation automatically. For this, access to the Menu `CONFG -> BE TFG` and select `SCALE`.

Nota: There is the possibility of relating plates and register with the weighing. Before performing point 3 of the procedure described above, press **F80** to sequentially select the previously stored plate and register, or press **F81** to sequentially enter the desired plate and register (without previously stored in memory). If one or more fields in the sequence are not needed, they can be left





empty. In both of the cases, the validation of the field is done by pressing .

There is also the option to activate the plate and/or each register separately. Plate **F+1+1**,
Register 1 **F+2+1**, Register 2 **F+3+1** and Register 3 **F+4+1**

If necessary, it is possible to print up to 3 Subtotals. The printing of the subtotal is done by pressing the key , for approx. 3s. (also described in the point Subtotalization of this manual).


7.2 WEIGHING WITH AXLE TOTALIZATION AUTOMATIC F97

PRESS F+9+7 TO ACTIVATE THE AUTOMATIC AXLE-WEIGHT WORKING MODE


1. First the device will ask, to work with both platforms P1 and P2 or only with one of the two platforms.
2. Followed by the desired number of axes to weigh. Enter the desired number of axes using the arrow, or numeric keys and confirm with .
3. If necessary, press the key , to set the scale back to 0.
4. Position the **first axle** of the vehicle on the platform(s).
5. When the weight is stable, press the key . The device will store this weight and print the according part of the ticket.
6. Discharge the platform(s).
7. Position the **second axle** of the vehicle on the platform(s).
8. When the weight is stable, press the key . The device will store the second weight and print the according part of the ticket.
9. Discharge the platform(s).
10. Repeat the operations for the remaining axes.
11. Once the number of axes entered is reached, the total weight of the vehicle, and the total number of axles weighed will be printed.

Note: Is possible to change the number of Axles before each Accumulation, if desired. Therefore, you can enter the desired number of axles in the user menu of the automatic manual mode, or with the **F90** fastaccess.

Note: It is also possible to perform the accumulation automatically. For this, access to the Menu **CONG -> BE** and select **SCALE**.

Note: There is the possibility of relating plates and register with the weighing. Before performing point 4 of the procedure described above, press **F80** to sequentially select the previously stored plate and register, or press **F81** to sequentially enter the desired plate and register (without previously stored in memory). If one or more fields in the sequence are not needed, they can be left empty. In both of the cases, the validation of the field is done by pressing .


There is also the option to activate the plate and/or each register separately. Plate **F+1+1**, Register 1 **F+2+1**, Register 2 **F+3+1** and Register 3 **F+4+1**

If necessary, it is possible to print up to 3 Subtotals. The printing of the subtotal is done by pressing the key , for approx. 3s. (also described in the point **Subtotalization** of this manual)

8. DYNAMIC AXLE-WEIGHT: F98

This operation mode uses a single channel of the GI620 either connecting 1 platform on channel 3 or on channel 4, or with 2 platforms acting together connected on channels 3 and 4. In any case, the active channel remains P3. The channel 4 connector does not act as a separate channel, it act as another channel 3 connector.

PRESS **F+9+8** OR THE NUMBER KEY  TO ACTIVATE THE DYNAMIC WORKING MODE

1. If necessary, press the key  to set the scale back to 0.
2. Start the weighing process with a speed that does not exceed 5km/h.
3. By default the indicator is set with a “timeout” of 5s. That means, every time the weight on the platform, during the weighing operation, is on 0 and stable (there is no axle on the platform) the 5s counter is started. If this counter goes down to 0, the device automatically totalizes.


Note: it is also possible, to automatically totalize once the desired number of axes previously entered has been reached. In this case the timeout is deactivated, and the totalization will be done automatically. In the user menu, move through with the arrow keys till:

work m -> dynam -> axsmen -> Yes and enter the desired number of axes, press .


Once the number of axes entered is reached, the ticket will be printed. This includes the weight of each axle, the total weight of the vehicle, and the total number of axles weighed.

Is possible to change the number of Axles before each Accumulation, if desired. Therefore, you can enter the desired number of axles in the user menu of the dynamic mode (as explained in point before), or with the **F90** fastaccess.

Note: The weight must be bigger than the setting in *dyn.par -> Tr:gr*

Note: There is the possibility of relating plates and register with the weighing. Before performing point 2 of the procedure described above, press **F80** to sequentially select the previously stored plate and register, or press **F81** to sequentially enter the desired plate and register (without previously stored in memory). If one or more fields in the sequence are not needed, they can be left empty. In both of the cases, the validation of the field is done by pressing .

There is also the option to activate the plate and/or each register separately. Plate **F+1+1**, Register 1 **F+2+1**, Register 2 **F+3+1** and Register 3 **F+4+1**

If necessary, it is possible to print up to 3 Subtotals. The printing of the subtotal is done by pressing the key , for approx. 3s. (also described in the point **Subtotalization** of this manual)

If the option *CONF IG -> dynPAR -> dEBuG* is activated, the data taken by the platform is transmitted by the COM2 of the device. Either in csv format. or “octave” format. This data contains information on the weighing, date, time, number of axes and samples, as well as all samples taken with a “-1” indicating the detection of each axis.

9. PRINTOUT

9.1 TOTALIZATION

In static mode, during the accumulation, each detected axle is printed, on the contrary in dynamic mode nothing is printed until it is totalized. In any case, once the totalization is done, the ticket is closed and a new accumulation can be started.

2022/05/27 13:41:40

Axis

1	380kg
2	380kg
SUBTOTAL	760kg

3	380kg
SUBTOTAL	380kg

4	450kg
5	450kg
SUBTOTAL	900kg


TOTAL

5 Axes
Net: 2040kg

User signature

Driver's signature

9.2 PRINTING THE TOTALS

In the weighing window, press the key  once, to access the user menu. Use the arrow keys to move, access and leave the menus



The **L 1555** menu includes the Totals-list

Accessing this option, prints the list of stored totalweights. In this menu it is to choose, delete or not delete the memory after printing the list

TOTAL WEIGHTS	
Date: 2022/05/27 18:38:23	
Number of weighings: 8	
Total Gross:	36020kg
Total Tare:	0Kg
Total Net:	36020kg

10. PERSONALIZED TICKET

Request	DA1 / DA2
Description	Allows to display the date. Example: 20/02/2020 12:18:00"
Format	0 -> « Label » « Date » « Time » 1 -> « Date » « Time » 2 -> « Label » « Date » 3 -> « Date » 4 -> « Label » « Time » 5 -> « Time »
Example	[DA1,1]

Request	TIC
Description	Ticket number
Format	0 -> « Label » « Ticket » 1 -> « Ticket »
Example	[TIC,0]

Request	NAX
Description	Display the Number of Axles
Format	0 -> « Label » « Number of axes » 1 -> « Axis number » 2 -> « Number of axes» « Label » 3 -> « Label »
Example	[NAX,2]

Request	ACC
Description	Display the accumulated Weigh
Format	0 -> « Label » « Gross weight » 1 -> « Label » « Tare weight » 2 -> « Label » « Net weight » 3 -> « Label » « Gross weight » <CR> « Label » « Tare weight » <CR> « Label » « Net weight » 4 -> « Gross weight (accumulated) » 5 -> « Tare weight » 6 -> « Net weight » 7 -> « Gross weight » « Tare weight » « Net weight » 8 -> « Label » (Gross weight) 9 -> « Label » (Tare weight) 10-> « Label » (Net weight) 11-> « Gross weight »
Example	[ACC,7]

Request	SPD
Description	Display the calculated Speed
Format	0 -> « Label » « Speed » 1 -> « Label » 2 -> « Speed »
Example	[SPD,0]

Request	DSx
Description	Display the Alibi (DSD) number
Format	0 -> « Label » « DSD number » 1 -> « DSD number »
Example	[DS1,0]

Request	PLT
Description	Display the Platform (Channel) name
Format	0 -> « Label Channel 1 » 1 -> « Label Channel 2 » 2 -> « Label Channel 3 »
Example	[PLT,0]

Request	DB
Description	Display the information of Database
1- ID Tabla	0 -> Plate-Register 1 -> Register 1 2 -> Register 2 3 -> Register 3
2- Format	0 -> « Description » 1 -> « Register name » 2 -> « Register name » « Description »
Example	[DB,0,2]

Request	TOT
Description	Introduce the separator TOTAL
Example	[TOT]

Request	X
Description	It allows the entry of hexadecimal or decimal values, useful for specific printer commands. To represent a hexadecimal value, add the prefix 0x. Otherwise it will be interpreted, if possible, as a decimal value.
Example	<X,0x1B,23,0x12> 0x1B is a hexadecimal value 23 is a decimal value 0x12 is a hexadecimal value

Request	HT
Description	Allows the entry of the character '\t' (horizontal tab)
Example	"FOO<HT>BAR" Equal to "FOO\tBAR"

Request	LF
Description	Allows the entry of the character '\n' (line feed)
Example	"FOO<LF>BAR" Equal to "FOO\nBAR"

Request	VT
Description	Allows the entry of the character vertical tab (0x0B)
Example	“FOO<VT>BAR” Equal to “FOO\x0BBAR”

Request	FF
Description	Allows the entry of the character ‘\f’ (form feed)
Example	“FOO<FF>BAR” Equal to “FOO\fBAR”

Request	CR
Description	Allows the entry of the character ‘\r’ (carriage return)
Example	“FOO<CR>BAR” Equal to “FOO\rBAR”

Request	R
Description	Allows repetition of a character n times
Minimal arguments	0
Maximal arguments	2
1- Character	Character to repeat
2- Number of repetitions	Number of repetitions of the desired character
Example	<R, 0>

Request	H1
Description	Double width and height typology
Example	“<H1>DATA” Equal to DATA

Request	H2
Description	Double height typology
Example	“<H2>DATA” Equal to DATA

Request	H3
Description	Restores normal typology size
Example	"<H3>"

Request	[SIG]
Description	Type of Signature
[SIG1]	User Signature
[SIG2]	Driver 's Signature

11. BY10 DATA VISUALIZER

11.1 X10 DATA VISUALIZER

In the weighing window, press the key  once, to access the user menu. Use the arrow keys to move,

access and leave the menus 

Move to the **69 10** option and access it. The device switches to the display between the weight with normal sensitivity and the sensitivity ten times higher; it will be noted that the last figure to the right of the display will have a sensitivity equal to the division of the balance divided by 10.

Note: In this situation:

- It is not possible to perform any function for obtaining weighing or printing.
- It is only possible to switch to weight display with sensitivity if you are viewing the weight of a platform or channel.
- With instrument with restricted access, the display with x10 sensitivity remains on the display for only 5s; after this time, it returns to the normal state of weighing.

Note: The visualization with high resolution is only working for each single channel, not for the sum of channels.

11. ERROR MESSAGES

During operation, the terminal verifies that there are no programming errors, which are notified to the user through messages displayed on the display.

Error uL

When the weight is less than the minimum weight and we are viewing a channel, the equipment will display the UL message on the screen.

Error oL

When the weight is greater than the maximum weight and we are viewing a channel, the equipment will show the OL message on the screen.

Error chZr

If the computer cannot perform the zero function on one of the channels it will display Ch1 Zr, Ch2 Zr, Ch3 Zr as appropriate.

Error chPn in

If the equipment cannot perform the weight registration in one of the channels, because the weight to be recorded is less than the minimum, it will display Ch1 Pmin, Ch2 Pmin, Ch3 Pmin as appropriate.

Error c noStb

If the equipment cannot perform the weight registration in one of the channels, because the weight to be recorded is unstable, it will display Ch1 No STB, Ch2 No STB, Ch3 No STB as appropriate.

Error chnoWEI

If the equipment cannot perform the weight registration in one of the channels, because the weight to be recorded is zero, it will display Ch1 No WEI, Ch2 No WEI, Ch3 No WEI as appropriate.



Error chUL

When the weight is less than the minimum weight and we are viewing more than one channel, the equipment will display on the screen the message Ch1 UL, Ch2 UL, Ch3 UL as appropriate

Error chOL

When the weight is greater than the maximum weight and we are viewing more than one channel, the equipment will display on the screen the message Ch1 OL, Ch2 OL, Ch3 OL as appropriate.

BUILT-IN PRINTER ERRORS

STATUS LED		DESCRIPTION
	OFF	Printer turned Off
	ON	Printer turned On, no errors
	X2	Temperature High
	X3	Paper empty
	X4	Incorrect supply voltage
	X5	Reception error
	X6	Unrecognized Command
	X7	Command reception time out

12. CELL CONNECTOR

The cable that comes from the transducers / s is connected by welding, it is recommended to be very careful with the quality of this and the insulation between the conductors and the use of a good tin alloy since a product of poor quality or not suitable could harm the proper functioning of the instrument.

The figure shows the topography of the connector, the pins have the following functions:



PIN n°	NAME	FUNCTION	PIN n°	NAME	FUNCTION
1	+EXC	Excitation +	5	+IN	Signal Load cell +
2	+SENSE	Signal Sense +	6	-IN	Signal Load cell -
3	-EXC	Excitation -	7		Not connected
4	-SENSE	Signal Sense -			

If the transducer is equipped with a connection cable with 4 wires plus protection, and not with 6 wires plus protection, it is necessary to connect the EXC (+) with SENSE (+) and EXC (-) with SENSE (-) by joining pin 1 with pin 2 and pin 3 with pin 4.

To minimize electrical and radio interference, it is absolutely necessary that all connection cables between the instrument and transducer be of the protected type.

13. REMOVAL OF ELECTRONIC EQUIPMENT(WEE)



For customers of :la Unión Europea

All products at the end of their respective life cycle have to be returned to the builder in order to be recycled. For information on the modalities of restitution contact the reseller or the builder.

GIROPES)

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