

# GI650

## WEIGHBRIDGE

EN  
USER MANUAL

V.1.4\_03/05/2022



**GIROPES**

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<b>1. INTRODUCTION</b>	<b>4</b>
1.1 CHARACTERISTICS	4
CONNECTION OF THE LOAD CELL	4
OPERATION INTERFACE	4
SERIAL COMMUNICATION	4
POWER SUPPLY	4
OPERATING CONDITIONS AND MECHANICAL DATA	5
1.2 GENERAL FUNCTIONAL CHARACTERISTICS	5
1.3 DIMENSIONS	6
1.4 DISPLAY	7
1.5 KEYS AND FUNCTIONS	8
MAIN-DISPLAY	8
KEYBOARD-DISPLAY	9
NUMERIC-DISPLAY	9
1.6 FUNCTIONS WHEN STARTING THE INDICATOR	10
<b>2. WEIGHING INSTRUCTIONS</b>	<b>10</b>
ZERO	10
TARE	10
TARE MANUAL	11
DEACTIVATE TARE	11
MEMORIZED TARE	11
CHECKWEIGHER	11
NET WEIGHT USING 2 WEIGHINGS	12
NET WEIGHT USING 1 WEIGHING	13
<b>3. MENU STRUCTURE</b>	<b>15</b>
3.1 MENU	16
COMMUNICATIONS	16
SECURITY	17
DATA BASE	17
GENERAL	17
FUNCTIONALITY	18
PRINTERS	18
ADDITIONAL	19
WEIGHING	19
CALIBRATION AND METROLOGY	21
DIAGNOSTIC	23
ABOUT THE DEVICE	23
3.2 DATA BASE	23
<b>4. ERROR MESSAGES</b>	<b>28</b>
<b>5. CONFIGURATION OF PERSONALIZED TICKETS</b>	<b>28</b>
<b>6. CONNECTIONS</b>	<b>34</b>
<b>7. DSD-MEMORY</b>	<b>35</b>
<b>8. REMOVAL OF ELECTRONIC EQUIPMENT</b>	<b>35</b>
<b>9. WARRANTY</b>	<b>35</b>
<b>10. ANNEX</b>	<b>36</b>

# 1. INTRODUCTION

Dear User,

the performance that the equipment you have acquired will offer you, will be all the greater the more attention you devote to the instructions for use included in this manual. Please break our traditional apathy towards the manuals and do not wait for “everything goes wrong” for a consultant, so you can enjoy optimal benefits from the execution of the first weight.

This equipment is designed to work on one hand as basic equipment to carry out weighing with or without tare, assigning these weights to their corresponding code. Up to a maximum of 9200 weighings can be memorized.

## 1.1 CHARACTERISTICS

### FEATURES OF THE LOAD CELL

<b>Precision Class</b>	III or IIII
<b>Fraction factor</b>	p'l = 0,5
<b>Minimum input voltage per VSI</b>	$\geq 0.3 \mu\text{V}$
<b>Excitation voltage</b>	5 V DC
<b>Min. transducer resistance</b>	29 $\Omega$
<b>Max. transducer resistance</b>	1200 k $\Omega$
<b>Maximum length of cable</b>	5714 m/mm2
<b>Temperature range</b>	-10°C à +40°C
<b>Type of Range</b>	Mono-range; Multi-range; Multi-intervall

### OPERATION INTERFACE

<b>Display</b>	LCD tactil 800x600
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### COMMUNICATION

<b>Port Tx/Rx: (Channel 1)</b>	RS-232 bi-directional
<b>Port Tx/Rx: (Channel 2)</b>	RS-232 bi-directional
<b>Port Tx/Rx: (Optional)</b>	RS-485 bi-directional
<b>Port Ethernet</b>	
<b>Port USB</b>	Compatible with USB 2.0
<b>Transmission Speed</b>	300 - 115200
<b>Bits</b>	7 and 8 bits
<b>Parity</b>	No; Even and Odd

### POWER SUPPLY

<b>Power Source</b>	110 - 230VAC, 50-60 Hz
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**OPERATING CONDITIONS AND MECHANICAL DATA**

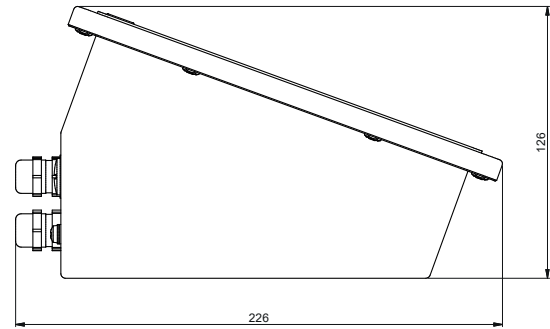
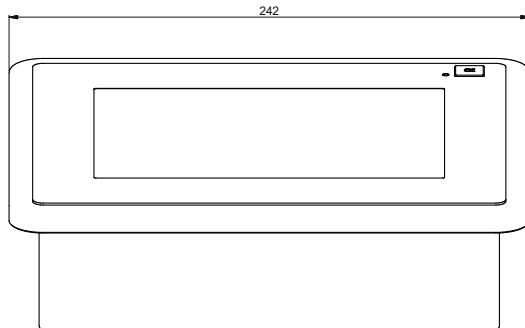
<b>Operation Temperature Range</b>	from -10°C till 40°C
<b>Max. Temperature Range</b>	from -25°C till 70°C
<b>Size without Support (mm)</b>	242 x 212 x 84
<b>Weight without Support</b>	~ 2.8Kg
<b>Support</b>	Desktop and Wall

**1.2 GENERAL FUNCTIONAL CHARACTERISTICS**

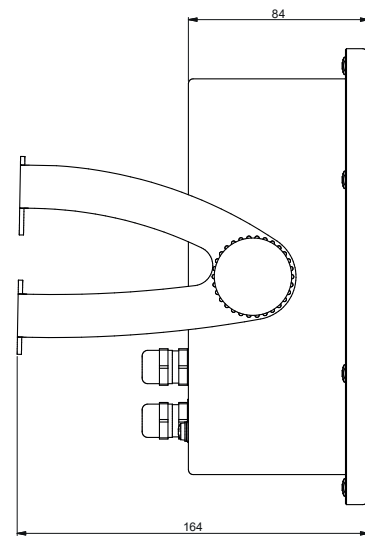
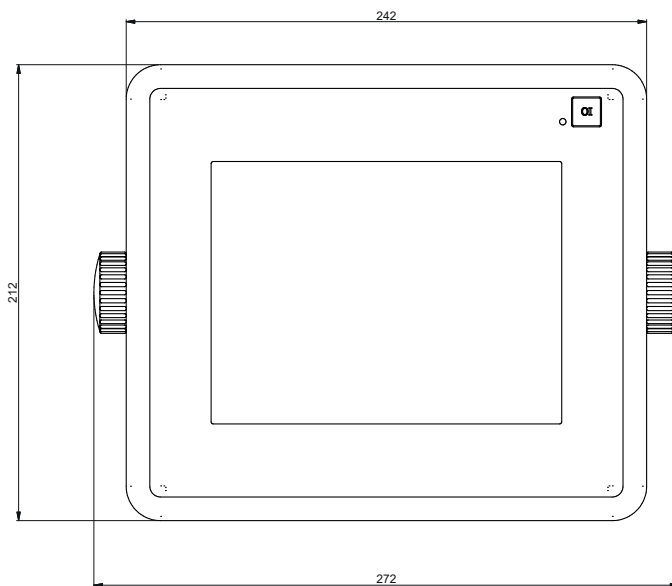
- ✓ **Display**  
The GI650 has a Touchscreen Display with integrated back-light.
- ✓ **Password**  
Password protection for metrological and security Parameters
- ✓ **Theoric Calibration**  
If the reference weight is not available, you can perform a theoretical calibration by using the capacity and sensitivity values (mV/V) of the load cells used.
- ✓ **Import / Export Data**  
It is possible to export the Code-files and weighings via USB to a PC to manage / modify the Categories.
- ✓ **Manage Files**  
It is possible to store and manage up to 1900 code-files. These files are used in 5 different types: **Product** (1000), **Customer** (400), **Provider** (100), **Target** (100) and **Plates** (300). It is also possible to program a specific name for each code.
- ✓ **Manage Weighings**  
It is possible to store and manage up to 9200 weighings in 2 different types: **open weights** and **Weights** (4600 each).
- ✓ **Manage memorized Tares**  
It is possible to store and manage Tara-values in the **Plates-register**.
- ✓ **Manage the Printer**  
It is possible to work with 2 printer/labeler on the GI650. You can also free configure the printouts and on which printer, which information is printed.
- ✓ **Software**  
GI Manager
- ✓ **Repeater available**  
It is possible to work with a Repeater through the serial RS-232 Port or the optional RS-485 Port
- ✓ **Alibi-Memory**  
Alibi-Memory (DSD) is an available Optional.
- ✓ **External Keyboard**  
It is possible to plug an external Keyboard through the serial USB-Port

## 1.3 DIMENSIONS

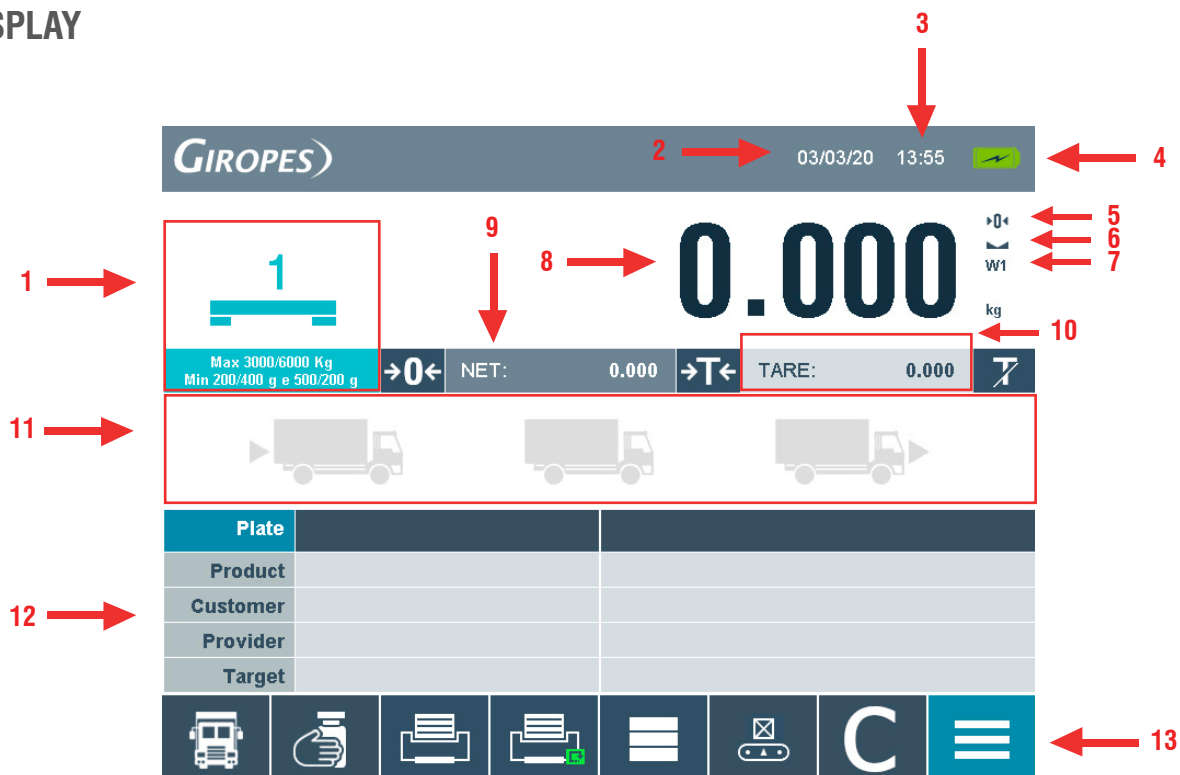
### BENCH TOP



### ON WALL



## 1.4 DISPLAY



Number	Function
1	Platform-number and Configuration
2	Date
3	Time
4	Charging-indicator
5	Zero-indicator
6	Stable-indicator
7	Weight-range
8	Gross-weight
9	Net-weight
10	Tare-weight
11	Truck - status
12	Categories
13	Command-Keys

## 1.5 KEYS AND FUNCTIONS

It is possible to choose between 3 different Keyboards:

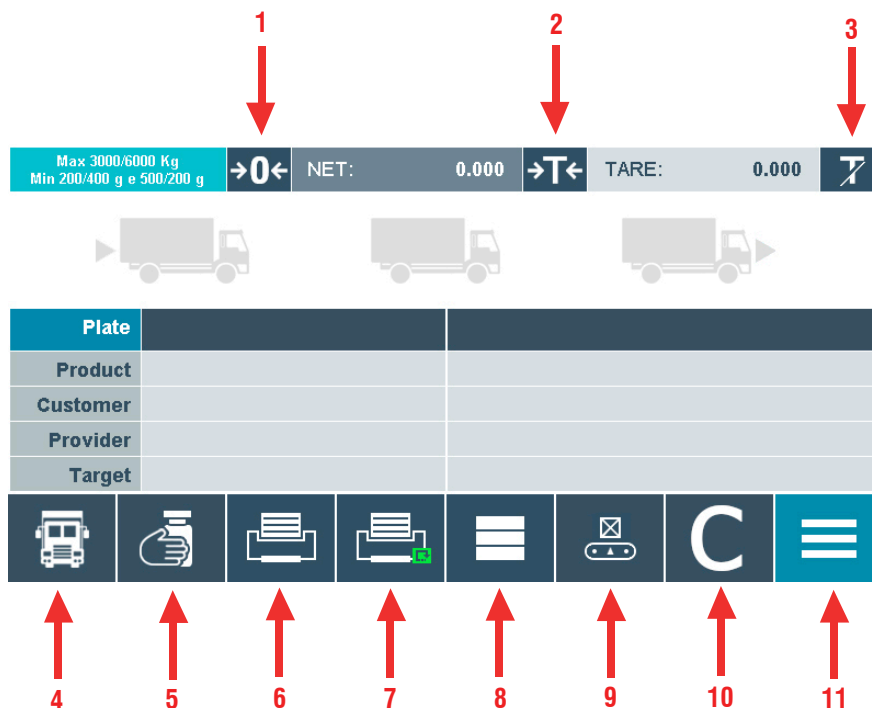
QWERTZ, QWERTY and AZERTY

To change the Keyboard you have to access to the Main-menu by press



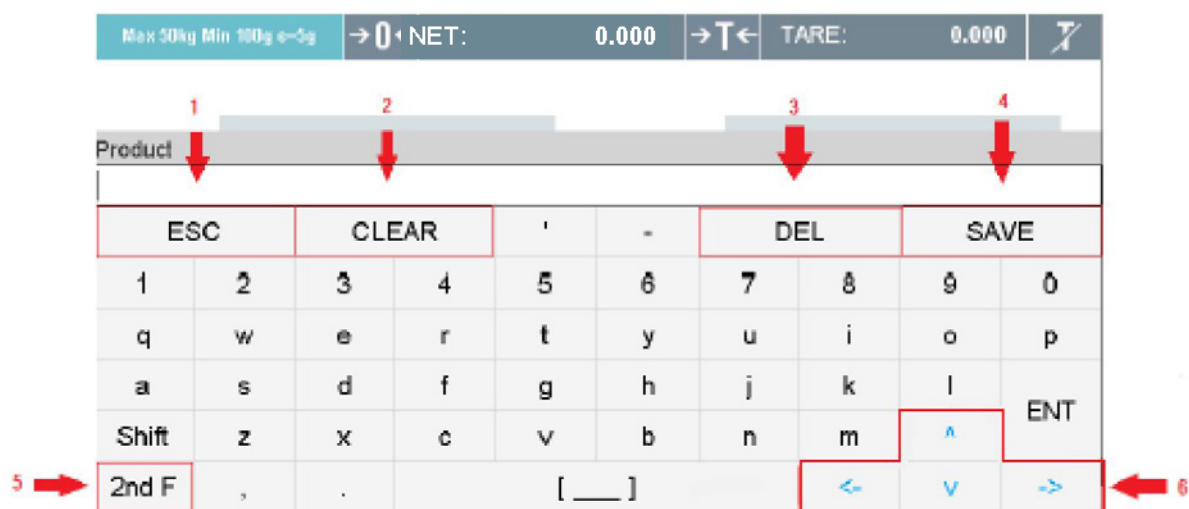
Choose the Menu point “General” and change the settings.

### MAIN-DISPLAY:

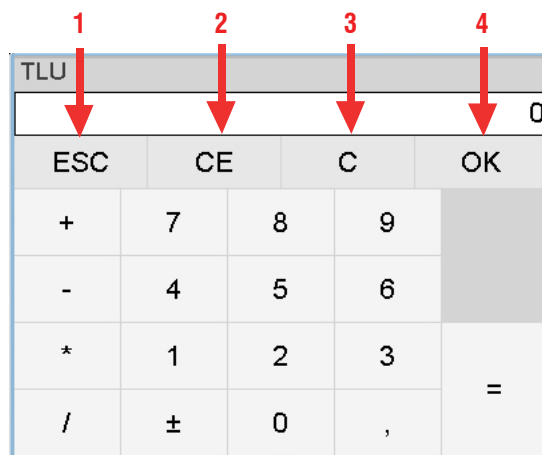


Number	Function
1	Zero
2	Tare (blocked by default)
3	Deactivate Tare
4	Store the weight
5	Manual Tare
6	Open PIT - List
7	Reprint last Ticket
8	Fastkey to access Database
9	Activate / Deactivate the Checkweigher
10	Start a new Weight without Zero-Step
11	Access to Main-menu



**KEYBOARD-DISPLAY:**

Key	Function
1	Exit the Keyboard
2	Clear all letters
3	Delete the last letter
4	Save the changes
5	Change to the special characters
6	Arrow Keys

**NUMERIC-KEYBOARD:**

Key	Function
1	Exit the Keyboard
2	Clear all numbers
3	Delete the last number
4	Save the change


## 1.6 FUNCTIONS WHEN STARTING THE INDICATOR

To turn on the indicator press the key 

The Display turns on, showing the Firmware-, Bootloader- and Weight model-version, also the CRC-value and the number of Calibrations during the initialization.

After finishing the initialization, the indicator is performing the initial zero.

To do this, the indicator must be connected to the Load cell and following conditions must be made:

- The weight must be stable (indicator for stability  is on )
- The weight must be inside the range of initial Zero (15% in positive and 5% in negative)

During this operation, the Display will show “0 init” till the weight is in range.

## 2. WEIGHING INSTRUCTIONS

### PLEASE NOTE:

**This equipment comes with a standard factory configuration. It is strongly recommended to program the databases and the different codes as required.**





Plate							
Product		Free cod.1					
Customer		Free cod.2					
Provider		Free cod.3					
Target		Free cod.4					
							

Before do any weighing you have to insert the Plate.


Without doing this, it is not possible to store any weight.

You can put the Data directly into the respective Field or select from Database (see point 3.2)

### ZERO

When you press the key , this assumes the metrological function of weight zeroing.

To do this, the following conditions must be made:


- The weight must be stable (indicator for stability  is on )
- Weight value not less than -2% of the Max. in relation to the zero of the calibration
- Weight value not higher than 2% of the Max. in relation to the zero of the calibration

The sign  indicates that the function has been done.

## TARE

There are different types of tare that are described in the following sections.

### TARE MANUAL

Pressing the Key  will open the Numeric-Keyboard. to enter the Tare-value. After saving the value with the **OK** button the value will be shown in negative in the indicator.

Tare				
				0
ESC	CE	C	OK	
+	7	8	9	=
-	4	5	6	
*	1	2	3	
/	±	0	,	

### DEACTIVATE TARE

To deactivate the tare, press the button





### MEMORIZED TARE

It is possible to store a Tare-value in the Plates (will be explained in point 3.2)

### CHECKWEIGHER

The GI650 is equipped with a **Checkweigher** function. The different areas are displayed in different Colours.

Low	OK	High	Alarm
<b>Functionality</b>			
Tare block		<input type="checkbox"/>	
Check Weight Low		<input type="text" value="0"/>	
Check Weight High		<input type="text" value="0"/>	
Check Weight Alarm		<input type="text" value="0"/>	


You can set the value in the menu. At first you have to access to the main-menu by pressing . Choose the Menu-point “Functionality” and you will see the settings of **Check Weight Low**, **Check Weight High** and **Check Weight Alarm** (the “OK-range” automatically is set between the Low and High) Press the showed value you want to modify (by default it is set on 0) and the Numeric-keyboard will appear. Input all 3 values, when you finish press the key  to save the changes The Checkweigher is **NOT** activating automatically.


To activate the **Checkweigher** you have to press  in the weigh-window.

#### PLEASE NOTE :

**It is ONLY possible to store weights that are between the High and Low Limits (indicated in Green)**






## NET WEIGHT USING 2 WEIGHINGS

Before you can do the 1st weighing, you always have to manually input a **Plate** (and also all the other information if needed). After this you can place the Truck on the Weighbridge, please note that the weight have to be higher than the minimum-weight. Wait till the stability-indicator turn on and press  to store the weight.

If you want to perform the 2nd weighing, you have to perform a **Zero-step** (Weighbridge empty) first. Also you can press the Button  to directly start a new weighing without perform the **Zero-step**. You also have to input the **Plate**. You can do this in 2 different ways, input the Plate manually, like you did it in the 1st weighing, or choose from the list of **Plates In Transit**.

For choose from the List of **Plates In Transit**, you have to do following steps:

Press the column **Plate** for open the List of stored Plates.

Plate							
Product							
Customer							
Provider							
Target							
							

Now choose the **Plates In Transit** in the down right corner.

Code	Tare

<<
>>

Select
Cancel

Plates in transit

Select the **Plate In Transit** for which you want to perform the 2nd weight and validate.

Code	Nº Ticket	1st weight	Date
1	1	15000 kg	15/05/2020 13:16:45
2	5	25000 kg	17/05/2020 14:48:13

In the weight-window the **Plate** is loading and you can perform the second weight pressing



Plate	1	✕	Second Weight
Product			
Customer			
Provider			
Target			

## NET WEIGHT USING 1 WEIGHING

Whenever you want to perform a weighing with Tara-function it is an **Unique Weight**.

You can do this in 2 different Ways:

Loading a stored plate from the **Database**.


(How to input and load files from the Database will be explained in point 3.2)

The other option is to input the Information manually. For this you have to first input the information of the **Plate** (and also all the other information if needed).

Plate	1	✕	First Weight
Product	Apple	✕	
Customer			
Provider			
Target	Barcelona	✕	

Now press the Button , input the Tare-value and validate.

Tare				
				0
ESC	CE	C	OK	
+	7	8	9	
-	4	5	6	
*	1	2	3	
/	±	0	,	=

The weight is changed to **Unique Weight** now, also the Net-indicator turn on and the Tare-value will be displayed, now you can place the truck and perform the weighing pressing .

**GIROPES**
03/03/20 13:55 



1

**-1500**

W1  
kg

Max 3000/6000 Kg  
Min 200/400 g e 500/200 g

→0←

NET: 0.000

→T←

TARE: 1500

T





Plate	1	✕	Unique Weight
Product	Apple	✕	
Customer			
Provider			
Target	Barcelona	✕	



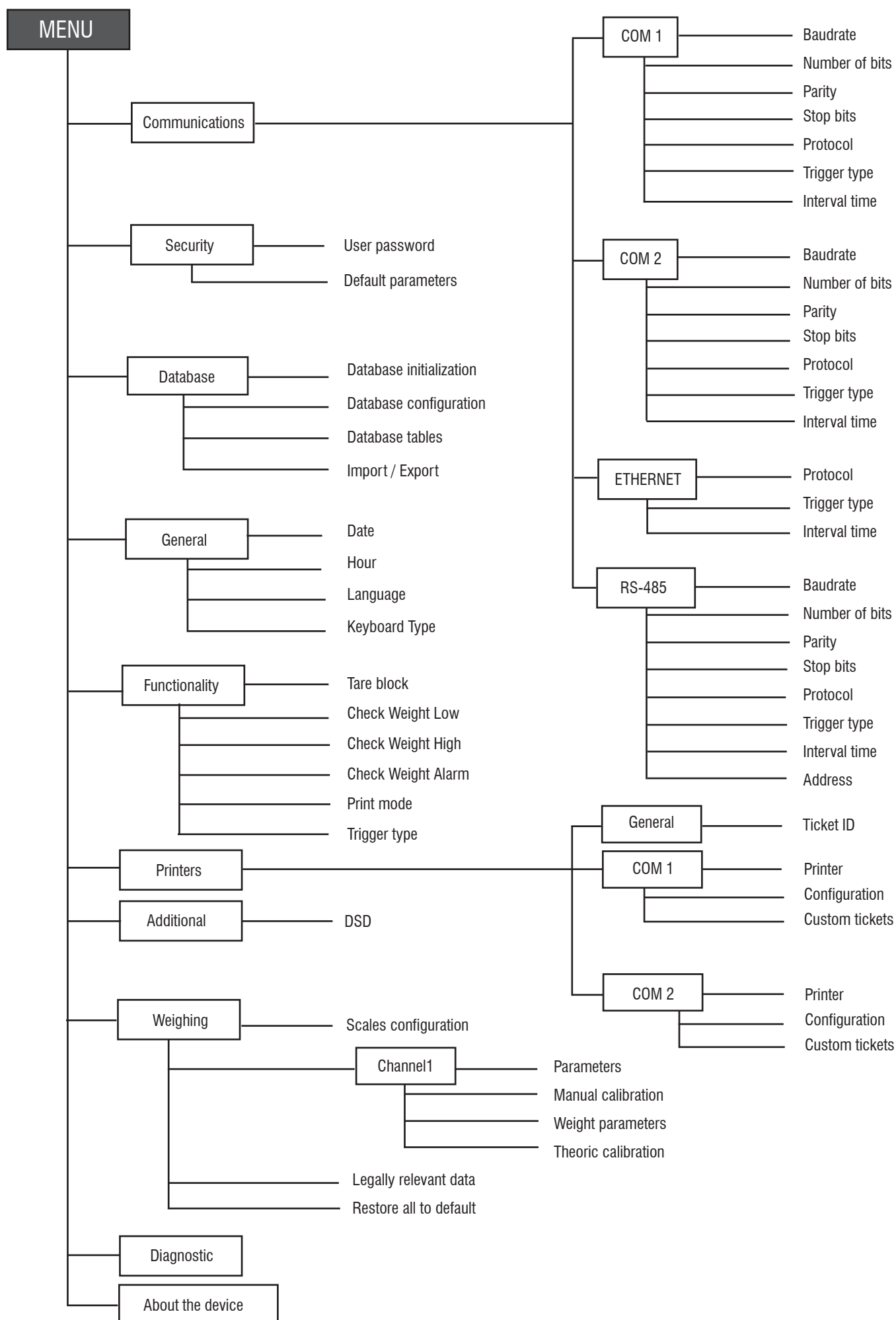





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### 3. MENU STRUCTURE



**3.1 MENU****COMMUNICATIONS****COM 1  
RS-232**

Baudrate	300; 600; 1200; 2400; 4800; 9600; 14400; 19200; 28800; 38400; 56000; 57600; 115200
Number of bits	7; 8
Parity	None; Even; Odd
Stop bits	1; 2
Protocol	None; Giropes; Sipi 2; Alibi; Sensocar; Printer; GiConf2; Smart; Bilancai; A+; Bizerba; Epel; Eric; Mettler; SB400; Soehnle; PT6S3
Sending mode	No trigger; Weight trigger; Continuous
Interval time	Freely Configurable (ms)

**COM 2  
RS-232**

Baudrate	300; 600; 1200; 2400; 4800; 9600; 14400; 19200; 28800; 38400; 56000; 57600; 115200
Number of bits	7; 8
Parity	None; Even; Odd
Stop bits	1; 2
Protocol	None; Giropes; Sipi 2; Alibi; Sensocar; Printer; GiConf2; Smart; Bilanciai; A+; Bizerba; Epel; Eric; Mettler; SB400; Soehnle; PT6S3
Sending mode	No trigger; Weight trigger; Continuous
Interval time	Freely Configurable (ms)

**ETHERNET**

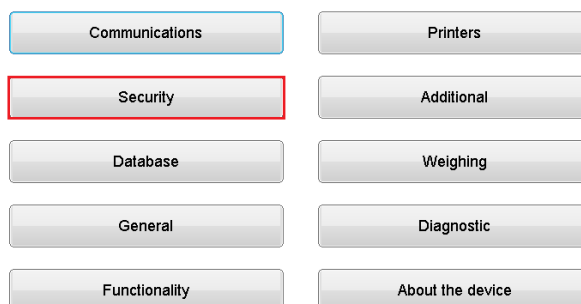
Protocol	None; Giropes; Sipi 2; Alibi; Sensocar; GiConf2; Smart; Bilancai; A+; Bizerba; Epel; Eric; Mettler; SB400; Soehnle; PT6S3
Sending mode	No trigger; Weight trigger; Continuous
Interval time	Freely Configurable (ms)

**RS-485**

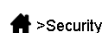
Baudrate	300; 600; 1200; 2400; 4800; 9600; 14400; 19200; 28800; 38400; 56000; 57600; 115200
Number of bits	7; 8
Parity	None; Even; Odd
Stop bits	1; 2
Protocol	None; Giropes; Sipi 2; Alibi; Sensocar; GiConf2; Smart; Bilancai; A+; Bizerba; Epel; Eric; Mettler; SB400; Soehnle; PT6S3
Sending mode	No trigger; Weight trigger; Continuous
Interval time	Freely Configurable (ms)
Adress	Freely Configurable



## SECURITY



Inside the menu are 2 sub-menus: User Password and Default parameters

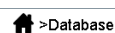


- **User Password:** Inside here you can change the Password for. The saved menus.
- **Default parameters:** It is restoring to Factory settings, except the Database, Ticket-number and the weighing parameters.

## PLEASE NOTE:

**For access to the menu you need to insert a Password, by default 0000**

## DATABASE



In the Database you can modify and manage the different Code-files and weighings.(More in point 3.2)

## GENERAL

## General

Date	03 / 03 / 20
Hour	13 : 55 : 25
Language	English
Keyboard Type	QWERTY

When access to this menu, you can modify the Date and Time as well as the Language and the Keyboard Type.  
The Date and Time are freely modifiable.

- **Languages available:** Spanish; English; French; Italian; Portuguese and German
- **Keyboards available:** QWERTZ ; QWERTY and AZERTY

## FUNCTIONALITY

Functionality

Tare block	<input type="checkbox"/>
Check Weight Low	<input type="text" value="0"/>
Check Weight High	<input type="text" value="0"/>
Check Weight Alarm	<input type="text" value="0"/>

In the functionality menu you have access to following working configurations: **Tare-setting and the Checkweigher-settings**. You can decide to work with a **blocked** or **unblocked** Tare (By default this option is **unblocked**)

- You can modify the Checkweigher-settings (Explained in point 2)

## PRINTERS

 >Printers

General tickets configuration	COM1 printer configuration
COM2 printer configuration	Custom tickets

Here you have access to the general ticket configuration and also to the detailed configuration of each Com Port.

### • General tickets configuration

General tickets configuration

Ticket ID	<input type="text" value="0"/>
Header line 1	<input type="text"/>
Header line 2	<input type="text"/>
Header line 3	<input type="text"/>
Header line 4	<input type="text"/>
Footer line 1	<input type="text"/>
Footer line 2	<input type="text"/>

Here you can set the Ticket-ID (ticket number) and the Header / Footer lines.


In the different Port Com are several sub menus, them are even on both Com.

### • Printer configuration

COM1 printer configuration		Unique W. ticket #1 format	<input type="text" value="No print"/>
Printer type	<input type="text" value="ASCII"/>	1st W. ticket #1 copies	<input type="text" value="0"/>
1st W. ticket #1 format	<input type="text" value="Standard"/>	2st W. ticket #1 copies	<input type="text" value="0"/>
2st W. ticket #1 format	<input type="text" value="Standard"/>	Unique W. ticket #1 copies	<input type="text" value="0"/>
Unique W. ticket #1 format	<input type="text" value="Standard"/>	Advance lines	<input type="text" value="0"/>
		List printing	<input type="checkbox"/>
		Cutter command	<input type="checkbox"/>

Here you can set the Printer type (Custom+, AscII, ESC-POS or Lx350) You can configure which Format is used for each Printout. The number of ticket-copies and Advanced lines. Also if this Com-port is used for print lists and if a cutter is used or not.


• **Custon Tickets**

 >Printers>Custom tickets

Custom ticket 1	Custom ticket 2
Custom ticket 3	Custom ticket 4
Custom ticket 5	Custom ticket 6

It is possible to customize the ticket formats, explained in point 9.

**ADDITIONAL**

 >Additional

DSD

DSD

Unique code	<input type="text"/>	Search
ID	<input type="text"/>	

Delete DSD

Inside this menu you can check and delete the stored Alibi-weighings. (when Alibi-Memory is plugged)

**PLEASE NOTE:**  
**Erase the Alibi-Memory is only working with Cal\_open**

**WEIGHING**

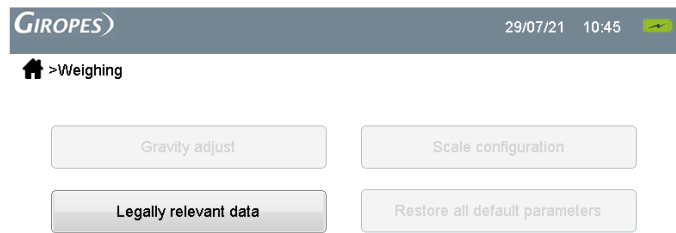
 >Weighing

Gravity adjust	Scale configuration
Legally relevant data	Restore all default parameters

**PLEASE NOTE:**  
**For access to the menu you need to insert a Password, by default 0000**

When you access to this Menu, you have only access to the **non-metrological**. (Cal\_close)  
To have full access to **All metrological** Parts, you need to press the Cal\_switch. (Cal\_ouvert)

- **Cal\_close:**



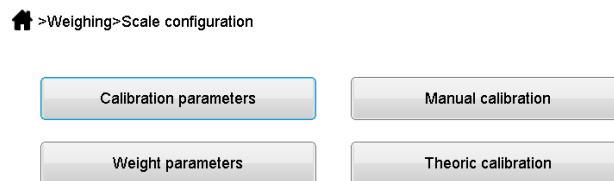
You only have access to the Sub-menu Legally relevant data. Inside this Menu are different Software-information about the device.

- **Cal\_open:**



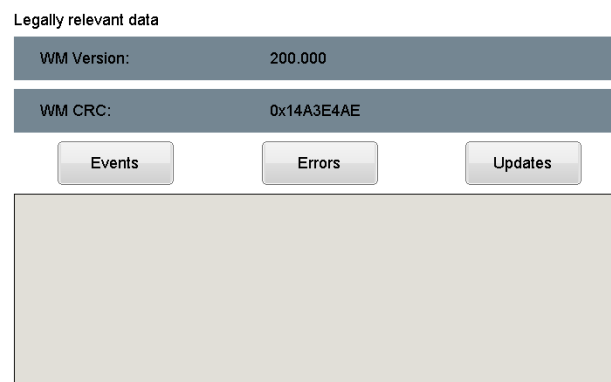
You have access to all Sub-menus included the Calibration

### Scale configuration:



Inside this menu, you will find all the calibration settings and metrological settings. (explained in the next point)

### Legally relevant data:



Inside this menu you can find all legally relevant data, such as WM-version, Events, Errors and Updates.

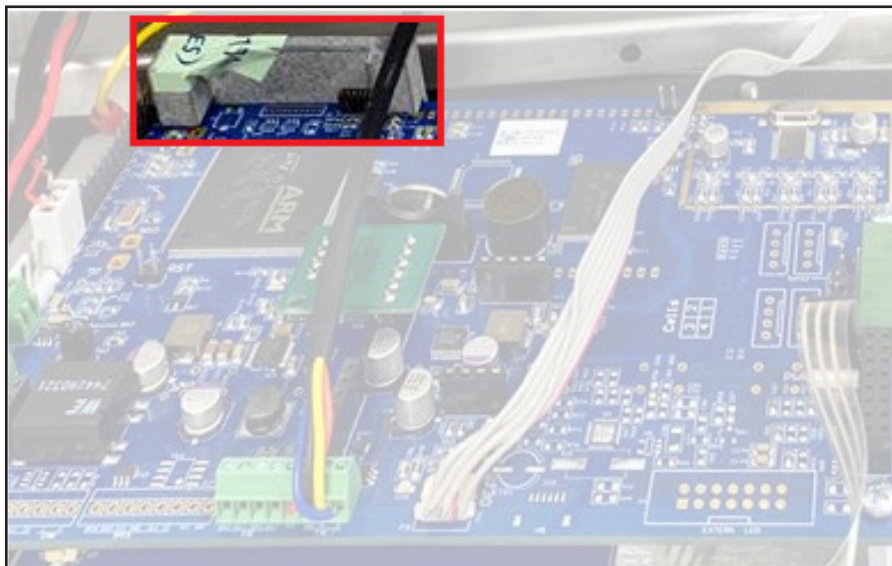
### Restore all default parameters:

with this setting you restore **All parameters** back to fabric, included the Calibration. (except the Database and Ticket-number)

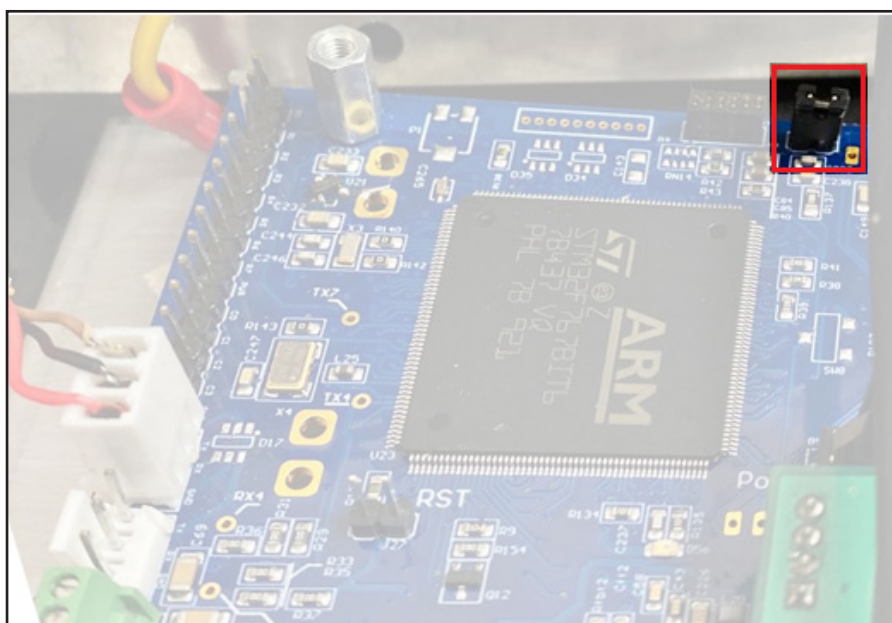
**CALIBRATION AND METROLOGY****PLEASE NOTE:**

**For access to this menu you need to remove the jumper of the Calibration-switch**

For be able to do this, you have to open the case of the device. Once you did this, you have to remove the sealed Cover from the Jumper.



Now lift the Jumper of the Calibration-switch and place it again.

**NOTE:**

**You have to be in the Weight-window when remove the Jumper, otherwise it will not have any effect**

To access to the metrological Part you have to access to the Main-menu and choose the menu **Weighing**.

**A password is required to access this menu, by Default 0000.**

Inside the menu, choose **Scale configuration**. Here you will find 4 Sub-menus:

🏠 >Weighing>Scale configuration

Calibration parameters	Manual calibration
Weight parameters	Theoric calibration

### Calibration parameters; Manual calibration; Weight parameters and Theoric calibration

- **Calibration parameters:** Here you can set the parameters for the calibration of your scale.

#### Calibration parameters

Working mode	Monorange
Full scale (kg)	60000
Decimal point	0
Scale interval (e)	DIV20

- **Manual calibration:** Here you carry out the calibration.

#### Manual calibration

Zero calibration	CAL 0	17000
Span weight (kg)	20000	
Gravity (m/s <sup>2</sup> )	9.8035	
Span calibration	SPAN	30000

»0<

↵

0

- **Weight parameters:** These are the metrological Settings of the Indicator

#### Weight parameters

Stability filter (e)	
Stability time (ms)	
Initial zero mode	No zero
Automatic zero-setting	<input type="checkbox"/>
Zero tracking mode	<input type="checkbox"/>
Zero man-setting mode	<input type="checkbox"/>
Zero init negative (%)	

#### Weight parameters

Zero init negative (%)	
Zero init positive (%)	
Zero auto (%)	
Zero tracking-setting (%)	
Zero tracking division (e)	

#### Weight parameters

Zero tracking division (e)	
Tare key function	<input type="checkbox"/>
Maximum indication (e)	
Minimum indication (e)	
Max. negative visualization (d)	
User filter	Disabled
Units	kg

- **Teoric calibration:** If the reference weight is not available, you can perform a theoretical calibration by using the capacity and sensitivity values (mV/V) of the load cells used.

Theoric calibration

Zero calibration	CAL 0	23448
LSE (mV/V)	2.0	
Cell number	4	
Capacity (kg)	60.000	
Theoric calibration		Calibrate

0,000

## DIAGNOSTIC

Diagnostic

Channel 1	0.894817 (mV)	23445
-----------	---------------	-------

Inside this menu you can see the mV of the Load cell and also the internal Counts. In case of an error of the scale you can check here if the Load cell is working properly.

## ABOUT THE DEVICE



Here you can see the different Information about the Device.

## 3.2 DATABASE

In the Database you can modify and manage the different Code-files and weighings. The Database menu has 4 Sub-menus:

🏠 >Database

Database tables	Import / Export
Database configuration	Database initialization

## Database initialization; Database configuration; Database tables and Import / Export


- Database initialization :

Database initialization

Code 1 name	Product
Registers code 1	1000
Code 2 name	Customer
Registers code 2	400
Code 3 name	Provider
Registers code 3	100
Code 4 name	Destinat.

In this point, you can modify and configure the different tables of the indicator. You also can modify the names of all tables. The Indicator has 5 freely configurable Tables with a total of 1900 registers, and additionally 4 Free Descriptions that can be used for each weight.(not stored data).

You also can configure the value of registers. Not used registers are added to the weight-register which has a maximum of 4600.

With the Button  you reset the Database back to default.

The 1900 registers of the Database-tables are divided as follows (default names): **Product** (1000); **Costumer** (400); **Provider** (100);

**Target** (100) and **Plate** (300)

**PLEASE NOTE :**

**When save the changes, it will delete the Database including the Weight-tables**


- Database configuration:

Database configuration

Code 1 name	Product
Code 2 name	Customer
Code 3 name	Provider
Code 4 name	Target
Plates table name	Plate

In this point, you can modify the names of the different tables.

- Database tables:

 >Database>Database tables

Product	Customer
Provider	Target
Plate	P.Transit
W.Complete	



Here you can check and modify the different Database-tables and Weight-tables. If you want to input a new file, you must do it like in the following example.

At first you have to access to the Main-menu by press



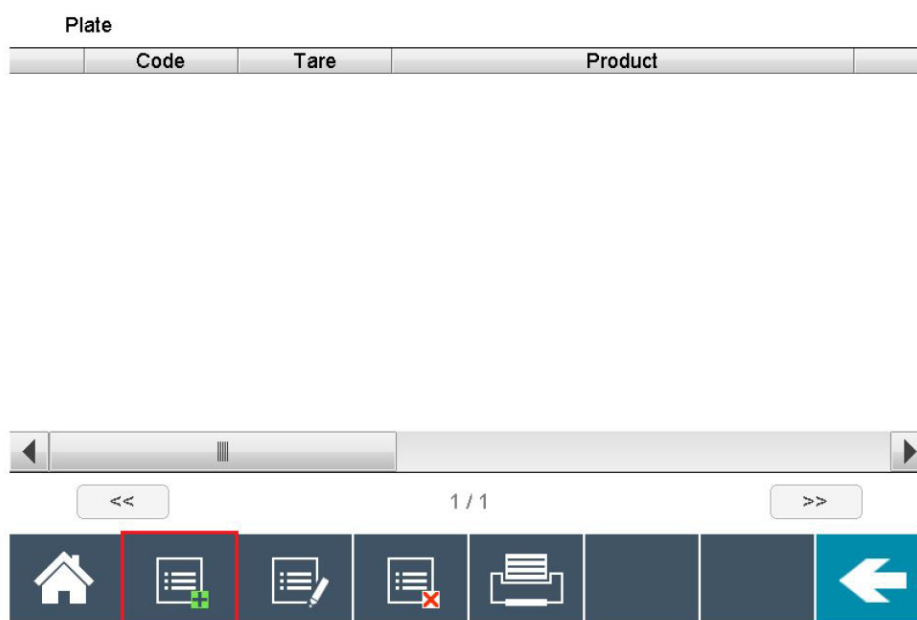
Choose the Menu-point “**Database**” and you will find following screen:

> Database



Access to the point **Database tables** and choose the file you want to modify/create, for example **Plate**.

Press the Button in the following example to create a new Product:



Now you can input the Code (for example Barcode); Tare and the different information as you wish (Product; Customer etc). It is possible to input the information manually, or you also can choose it from the according List of stored PLU (you have to input this PLU in the according List before) Manually **Red** List **Green**.

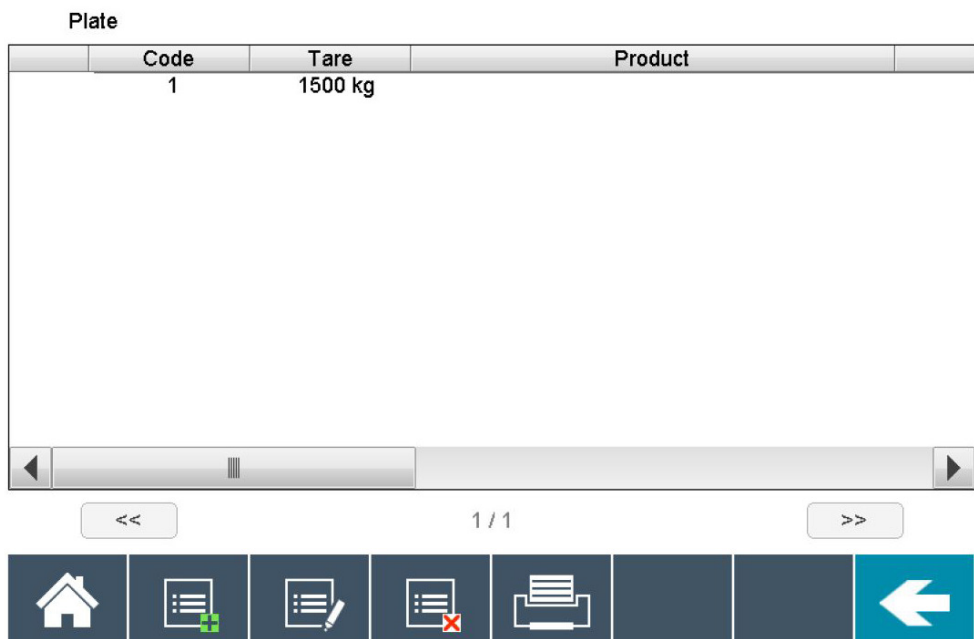
Add Plate ✕

<b>Code</b>	<input style="width: 95%;" type="text" value="1"/>
<b>Tare</b>	<input style="width: 95%;" type="text" value="1500"/>
<b>Product</b>	<div style="display: flex; align-items: center;"> <input style="width: 80%;" type="text"/> <div style="margin-left: 5px;"> <input style="width: 20px; height: 20px; border: 1px solid green; border-radius: 50%; text-align: center; line-height: 20px; font-size: 10px;"/>🔍         </div> <div style="margin-left: 5px;"> <input style="width: 20px; height: 20px; border: 1px solid gray; border-radius: 50%; text-align: center; line-height: 20px; font-size: 10px;"/>✕         </div> </div>
<b>Customer</b>	<div style="display: flex; align-items: center;"> <input style="width: 80%;" type="text"/> <div style="margin-left: 5px;"> <input style="width: 20px; height: 20px; border: 1px solid green; border-radius: 50%; text-align: center; line-height: 20px; font-size: 10px;"/>🔍         </div> <div style="margin-left: 5px;"> <input style="width: 20px; height: 20px; border: 1px solid gray; border-radius: 50%; text-align: center; line-height: 20px; font-size: 10px;"/>✕         </div> </div>
<b>Provider</b>	<div style="display: flex; align-items: center;"> <input style="width: 80%;" type="text"/> <div style="margin-left: 5px;"> <input style="width: 20px; height: 20px; border: 1px solid green; border-radius: 50%; text-align: center; line-height: 20px; font-size: 10px;"/>🔍         </div> <div style="margin-left: 5px;"> <input style="width: 20px; height: 20px; border: 1px solid gray; border-radius: 50%; text-align: center; line-height: 20px; font-size: 10px;"/>✕         </div> </div>
<b>Target</b>	<div style="display: flex; align-items: center;"> <input style="width: 80%;" type="text"/> <div style="margin-left: 5px;"> <input style="width: 20px; height: 20px; border: 1px solid green; border-radius: 50%; text-align: center; line-height: 20px; font-size: 10px;"/>🔍         </div> <div style="margin-left: 5px;"> <input style="width: 20px; height: 20px; border: 1px solid gray; border-radius: 50%; text-align: center; line-height: 20px; font-size: 10px;"/>✕         </div> </div>

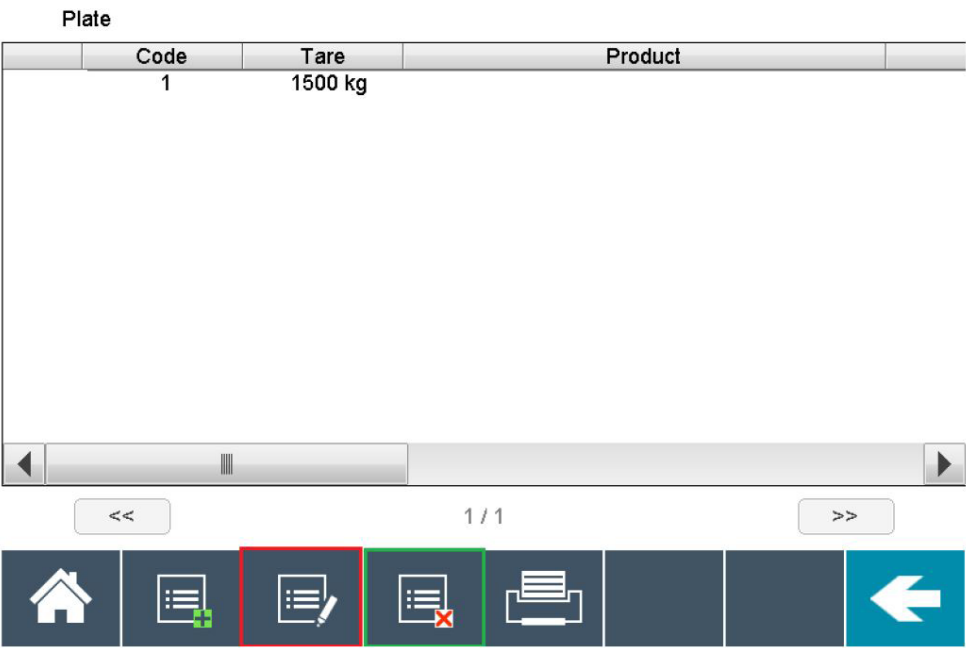
Add

Cancel

After you press Add, the **Plate** appear in the list



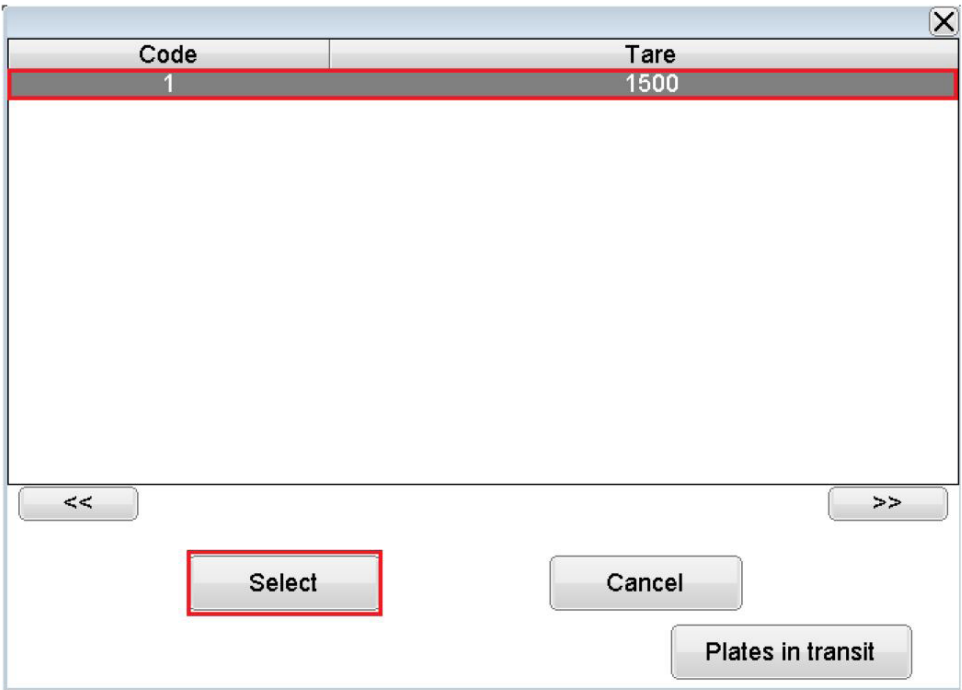
To modify or delete a **Plate** in the list you have to press the following button: (Modify **Red**, Delete **Green**)



After you input the Plate in the List, you can choose the and activate the Plate in 2 Ways.  
You can input the Code manually in the according field:

Plate		
Product		
Customer		
Provider		
Target		

And also you can press the field **Plate** to open the List of stored **Plates**. Select the Plate you want to use and validate.



• **Import / Export:**

It is possible to import and export information via USB to a PC.

**Export:**

You can export the Information about the Database and Weighings to the USB. It will be stored in an Excel-file.

You can choose the Delimiter between Coma and Semicolon.

**Import:**

On your PC you can modify/delete or add Data, for example new products for the Database, save it on the USB and import it to the Indicator.

**Import / Export**

☐ Product

☐ Customer

☐ Provider

☐ Target

☐ Plate

☐ P.Transit

☐ W.Complete

Delimiter

Semicolon ( ; )

1

2

3

4

Key	Function
1	Select all
2	Unselect all
3	Export tables
4	Import tables

**WARNING:**

**AFTER A WHILE OF WORK, IF A WEIGH CANNOT BE PRINTED, IT IS BECAUSE THE DATABASE IS FULL. IT IS NECESSARY TO CONNECT THE USB, DOWNLOAD THE WEIGHS CARRIED OUT AND DELETE THE HEAVY MEMORY OF THE DISPLAY TO CONTINUE WORKING.**

## 4. ERROR MESSAGES

The device shows various error messages in the screen:

Error message	Explication
--ol--	Overload, remove the weight above the platform. If it is empty and continues to display, check the platform and wiring
--ul--	The current weight value is less than the calibration zero. Check platform and wiring
--0 err--	The team cannot do the initial zero. Make sure the tray is empty and the connections are correct. Check platform and cable

## 5. CONFIGURATION OF PERSONALIZED TICKETS

Request	DA1 / DA2
Description	Allows to display the date. In the context of applications it allows to specify a 1st date. "Entry date: 20/02/2020 12:18:00"
Minimal arguments	0
Maximal arguments	3
1- Format	0 -> « Label » « Date » « Time » 1 -> « Date » « Time » 2-> « Label » « Date » 3 -> « Date » 4 -> « Label » « Time » 5 -> « Time »
2- Length	Length of the field "Date" (always 0)
3- Alignment	Alignment of the field "Date" (R, L, C, J)
Example	[DAx,0,0,L]

<b>Request TIC</b>	<b>TIC</b>
Description	Ticket number
Minimal arguments	0
Maximal arguments	3
1- Format	0 -> « Label » « Ticket » 1 -> « Ticket »
2- Length	Length of the field "Ticket" (always 0)
3- Alignment	Alignment of the field "Ticket" (R, L, C, J)
Example	[TIC,0,0,L]

<b>Request</b>	<b>WB</b>
Description	Display the according weight
Minimal arguments	0
Maximal arguments	3
1- Format	0 -> « Label » « Weight of 1st weight » 1 -> « Label » « Weight of 2nd weight » 2 -> « Label » « Gross weight » 3 -> « Label » « Tare weight » 4 -> « Label » « Net weight » 5 -> « Weight of 1st weight » 6 -> « Weight of 2nd weight » 7 -> « Gross weight » 8 -> « Tare weight » 9 -> « Net weight »
2- Length	Length of the field "Weigh" (always 0)
3- Alignment	Alignment of the field "Weigh" (R, L, C, J)
Example	[WB,0,0,R]

Request	WAY
Description	Way of the weighing: "input" or "output"
Minimal arguments	0
Maximal arguments	3
1- Format	0 -> « Label » « Way » 1 -> « Way »
2- Length	Length of the field "Way" (always 0)
3- Alignment	Alignment of the field "Weigh" (R, L, C, J)
Example	[WAY,0,0,L]

Request	DB
Description	Display the information of Database
Minimal arguments	1
Maximal arguments	4
1- ID Table	0 -> Table 1 1 -> Table 2 ...
2- Format	0 -> « Table name » « Code » « Description » 1 -> « Table name » « Code » 2 -> « Table name » « Description » 3 -> « Table name » 4 -> « Code » 5 -> « Description »
3- Length	Length of the field "Weigh" (always 0)
4- Alignment	Alignment of the field "Weigh" (R, L, C, J)
Example	[DB,0,0,0,L]

Request	DS1 / DS2
Description	DSD / Alibi Memory
Minimal arguments	0
Maximal arguments	3
1- Format	0-> « Label » « DSD-ID » 1 -> « DSD-ID»
2- Length	Length of the field "DSD" (alwas 0)
3- Alignment	Alignment of the field "DSD" (R, L, C, J)
Example	[DSxB,0,0,L]

<b>Request</b>	<b>TXT</b>
Description	Texts to be translated
Minimal arguments	1
Maximal arguments	3
1- Format	0 -> List 1 -> Code 2 -> Description 3 -> Gross 4 -> Tare 5 -> Net 6 -> Unique weight 7 -> First weight 8 -> Second weight 9 -> P. Transit 10 -> W. Complete
2- Length	Length of the field (always 0)
3 - Alignment	Alignment of the field "Code" (R, L, C, J)
Example	[TXT,0,0,L]

<b>Request</b>	<b>X</b>
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.
Minimal arguments	0
Maximal arguments	10
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' (horiztional 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"



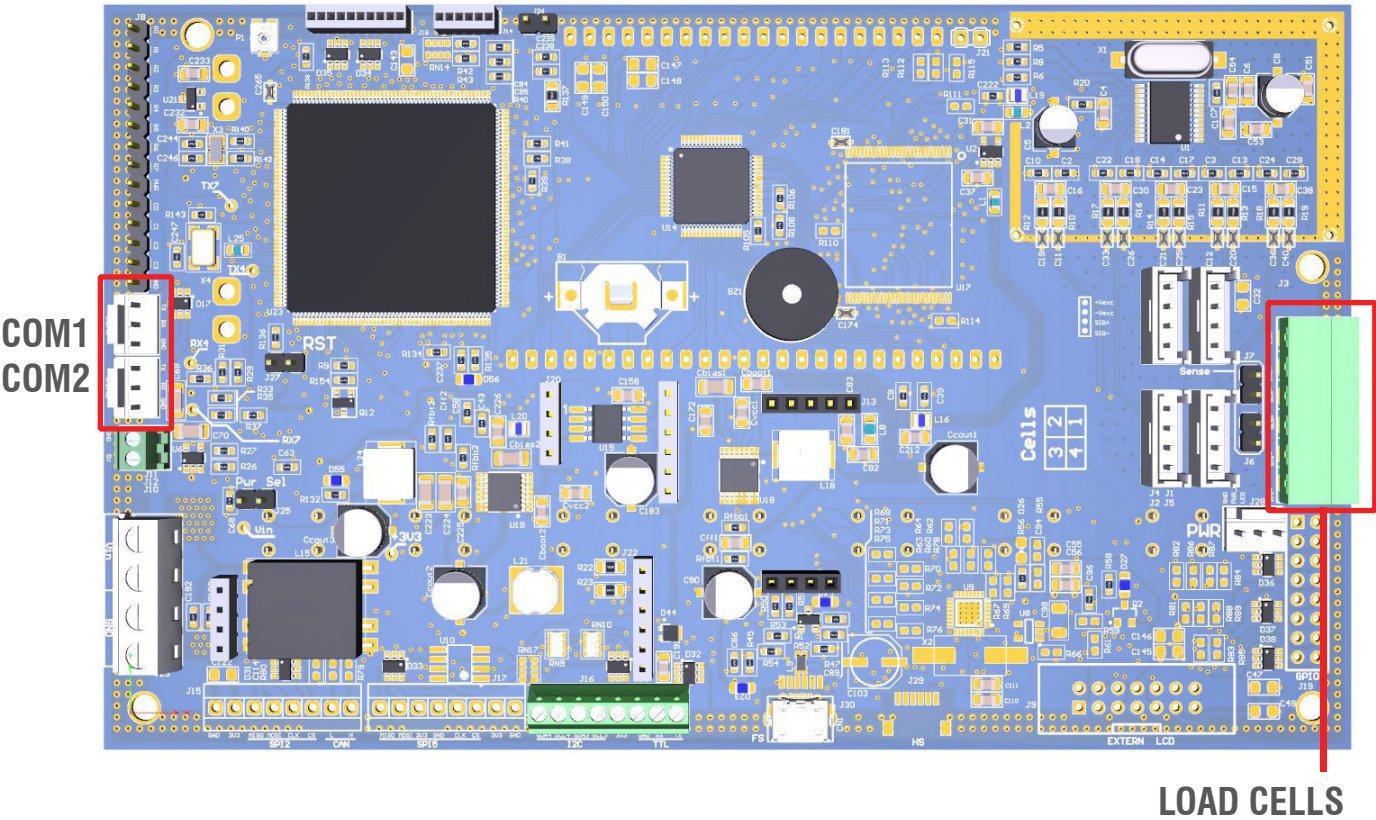
Request	R
Description	Allows repetition of a character n times
Minimal arguments	0
Maximal arguments	2
1- Character	Character to repeat
2- Number of repetitions	Number of repetitions of the desired character
Example	<R, ,0>

Request	H1
Description	Double width and height typology
Example	"<H1>DATA" Equal to <b>DATA</b>

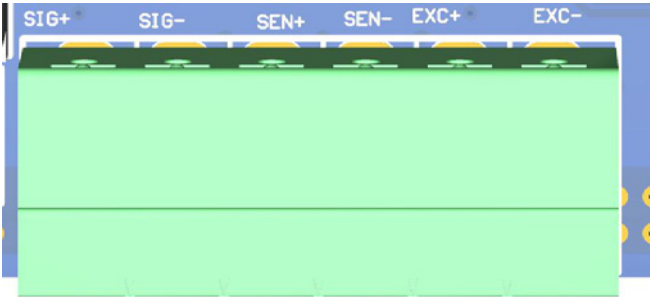
Request	H2
Description	Double height typology
Example	"<H2>DATA" Equal to <b>DATA</b>

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

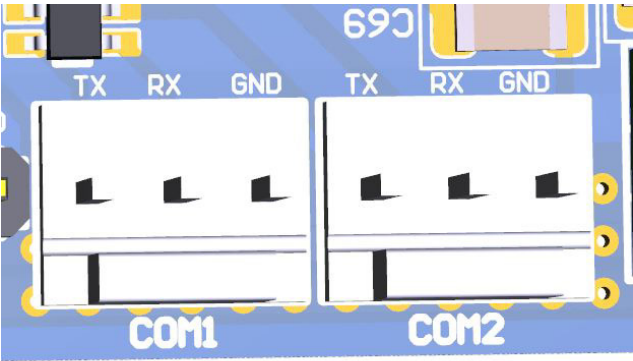
# 6. CONNECTIONS



LOADCELL CONNECTION



COM-PORT CONNECTION



## 7. DSD-MEMORY

It is possible to increase the Memory of the weight indicator with the additional plate that performs the function of FISCAL MEMORY; this consists in archiving all the weight values transmitted to a computer for a subsequent elaboration or integration of the data transmitted by the serial channel COM / ETHERNET

Each archived value is associated with an ID code. The memorized value can be consulted on the display of the indicator using the ID. (as a control with respect to the data printed by the PC).

The ID has the following format:

<Unique code number>, <weight number>

Unique code number: 5-digit number ranging from 0 to 99,999, indicates the complete unique code number of the dsd memory.

The dsd memory can store a maximum of 400,000 weights, (once this value is reached) the weighing number starts again by 00000 and the unique code number is increased by one.

The relative weight of an ID can be verified only if:

it has a unique code number equal to the current one in the dsd memory and a weighing number less or equal to the last value received with the "PID" command.

## 8. REMOVAL OF ELECTRONIC EQUIPMENT



For the European Union customers:

All the products that arrived at the end of their respective circle of life, have to be returned to the constructor in order to be recycled.

For information on refund procedures contact the reseller or the builder.

## 9. WARRANTY

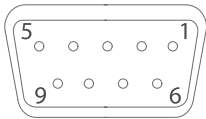
**This device is guaranteed against all manufacturing and material defects, for a period of 1 year from the date of delivery.**

**During this period, GIROPÈS will take over the repair of the device.**

**This warranty does not include damages caused by improper use or overloading.**

**The guarantee does not cover the shipping costs (postage) necessary for the repair of the device.**

# 10. ANNEX



FUNCTION OF PINS OF THE LOADCELL					
n.º pin	Description	Function	n.º pin	Description	Function
1	-EXC	- Excitation	4	+ SENSE	+ Sign SENS
2	-SENSE	- Sign SENS	5	+ EXC	+ Excitation
3	GND_A	Analog mass			
7	- OUT	- Sign load cell			
8	+ OUT	+ Sign load cell			

INTERFACE SERIE RS 232		
n.º pin	Description	Direction
2	TX (RS232c - transmitter)	Exit
3	RX (RS232c - receiver)	Entrance
5	GND (signal common)	







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