GIROPES)
WEIGHING SOLUTIONS

Indicators

CATALOGUE 2024

QUALITY AND | **DESIGN**
MAXIMUM RELIABILITY | OWN FABRICATION

V1 EN NP

GIROPES

WEIGHING SOLUTIONS

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WEIGHING SOLUTIONS

Development objectives, ESG criteria in Giropes

Giropes is establishing a new strategy with a commitment to sustainability and corporate responsibility to address environmental and social challenges, attract employees and customers committed to a more sustainable way of doing business.

The key areas in which we integrate our strategy include resource management, production, supply chain, waste management and stakeholder relations, reaffirming the pursuit of excellence in a socially and environmentally responsible manner.

ESG criteria at Giropes

Achieving a more just and sustainable future for all people and the planet

WORKERS

MANAGERS

PARTNERS

CUSTOMERS

SUPPLIERS

SOCIETY

CREDITORS

GOVERNMENT

Environmental

Our goal is to reduce greenhouse gas emissions to address climate change and the impact of our activities on the planet.

ACTIONS.

Energy efficiency: Giropes facilities in Girona and facilities in Toledo have solar panels with 268 panels providing enough power to produce sufficient green energy, along with other corrective consumption measures, to receive a total supply (in the case of Girona) in self-generation of electricity. In the Vilamalla facilities, this new investment will generate an estimated reduction of 37 tons of CO_2 annually. In the case of Toledo, it represents 15 tons of CO_2 annually.

Waste management: Replacement of plastic strapping with eco-friendly strapping: savings of almost 27 km of strapping in Baxtran and over 10 km in Giropes brand packaging (application since 2023). Replacement of bubble wrap with kraft paper for product padding and protection in boxes (application since 2023). Increasing the rigor of a selective collection system, cardboard, iron in collaboration with the recycling company Sersall.

Production efficiency: This year, a decision was made to invest in the modernization of robotics at the truck scale production plant. In this sense, the replacement of the robotic welding line was proposed, seeking an improvement in the system itself, but also with a view to energy efficiency and savings.

Supply Chain: Specifically in the manufacture of truck scales, our suppliers work with CELSA Group, which has obtained the UNE-EN ISO 14201 Certificate certifying that our truck scales are manufactured with recycled material content (scrap) in a percentage greater than 90%, and that said material is 100% recyclable thereafter. This requirement is verified in the periodic inspections carried out at the factory under the product certification of the AENOR Brand N.

Socials

Investing in operations in terms of labor conditions such as employee relations and human rights.

ACTIONS.

Education: Training calendar focused on the different teams in order to increase their linguistic, technical and other competency skills.

Cybersecurity: The protection of digital assets is essential for the integrity and confidentiality of information. Some of the actions taken are: staff awareness, access management, firewalls and other protections, data encryption and vendor evaluation.

Satisfacción del cliente: In compliance with ISO9001 we conduct an annual customer satisfaction survey on product and service.

Gender equality and diversity: Development of the Equality Plan and implementation of dissemination and corrective actions. Implementation of the workplace harassment protocol.

Health and safety: Psychosocial studies and occupational risk prevention.

Corporate governance

The oversight, structures, policies, rules and controls related to the ownership, leadership, processes and risk management of an enterprise.

ACTIONS.

Steering Committee: We have a steering committee composed of different directors of the company with a diversity of perspectives and sensitivities where different decisions and organisational issues are discussed.
Accountability structure: Elaboration of the organisational chart of accountability structure and functions of the different departments and their interrelationship, ensuring an alignment with the expectations of industry standards.

Responsible business practices and processes: Giropes conducts internal and external audits, to establish policies and management practices overseen by experienced, empowered and accountable leaders.

Public disclosure of the company's ESG objectives: Giropes produces internal communications, annual reports, websites, social media and press for ESG stories.

GIROPES

THE VALUE OF WEIGHT AS INSPIRATION AND PASSION

From the very beginning, Giropes has regarded weighing as a vital part of the production and quality processes. As such, it has always invested in R&D to be able to offer the most complete weighing solutions possible without limiting itself to simple weighing systems.

With the desire for continuous improvement and this strong investment in R&D, Giropes has gone from being a metal processing company focused on the treatment of metal to convert it into elements of a weighing system, to a cutting-edge company that has committed itself to offering all the solutions that revolve around this complex process.

Over the last few years Giropes has invested heavily in R&D, incorporating its own manufactured weight indicators, complete automations for all types of installations and weighing software that allows complete control over your facilities.

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WHEELS AND AXEL WEIGHING
PAGE. 58-63

REPEATERS
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PRODUCTION LINES

GI4XX SERIE

LOGISTICS

VEHICLES WEIGHING

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REPEATERS

For all types of industries.

A complete range of indicators with multiple functions.

Giropes has developed a complete range of indicators with multiple functions for all types of distribution, food, chemical and logistics industries.

LOGISTICS

Indicators with totalising firmware and labelling assemblies, ideal for logistics sectors.

FOOD

Indicators designed for use in production lines complemented by various software packages that allow weight recording and comprehensive production line management.

CHEMICAL INDUSTRY

Indicators with ATEX protection, ideal for industries where safety is vital during all processes.

AGRICULTURE

Multi-function indicators that allow connection to software for truck and tractor weighing, as well as the use of repeaters with large digits for viewing from distant points of view.

ROAD CONTROL

Portable indicators designed for vehicle weighing management, both static and dynamic, and to keep track of the weight of vehicles on the road.

SUCCESSFUL PROJECTS

OUR BACKGROUND
SUPPORTS US

VERSATILE

High precision weigh indicators with compact design. Ideal for applications which require an autonomous indicator, with the possibility to include communication interfaces with connections to remote control weight repeater, PC, PLC, external or internal printer, among other possible accessories.

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REPEATERS

Solutions for all sectors.
The ideal indicator according to the needs of each client.

INDICATORS FOR PRODUCTION LINES AND DATA RECORDING

1

Indicators with PROD firmware for weighing management in packaging and production lines.

GI410 Integrated RFID reader
> with alphanumeric keypad
Indicator with integrated RFID reader

GI400 — GI410 PROD
> with or without alphanumeric keypad
Indicator with production firmware and optional external RFID reader

OPTIONAL RFID READER
With ABS construction and IP67 protection.

GI400-410 LCD IP65
High-contrast checkweigher mode.

GI400-410 LCD IP68
High-contrast checkweigher mode.

ASSOCIATED PC SOFTWARE & APP

| Gs PRO | Gs ONE | G) |

TARE WEIGHT AND NUMERICS INDICATORS

2

Series of tare weight and numeric indicators with memory for up to 6 TLUs (tare memory), which can be entered manually.

GI400 — GI410 LED
> with or without alphanumeric keypad
LED display for ideal vision regardless of the environment

GI400-GI410 LCD
> with or without alphanumeric keypad
High-contrast LCD with different colours for checkweigher mode.

GI410 LCD PRINT
Indicator with integrated printer

GI400 LCD BAT LION
Indicators with built-in battery and wall support, ideal for columns

ASSOCIATED PC SOFTWARE & APP

INDICATORS
FOR ATEX AREAS

Indicator series with ATEX certification in area 2 and area 22.

3

GI400 *LCD*
> tare weight
Tare weight indicator with battery designed for ATEX areas.

GI410 *LCD*
> numeric
Numerical indicator with battery designed for ATEX areas.

ASSOCIATED PC SOFTWARE & APP

INDICATORS
FOR SIMPLE LABELLING

Combined indicator and labelling machine designed to speed up the labelling process with a PC-based format creation programme.

4

ETD GI400 *LED*
> tare weight
Tare weight indicator assembly with labelling machine.

ETD GI410 *LED*
> numeric
Combined numerical indicator and labelling machine.

ASSOCIATED PC SOFTWARE & APP

INDICATORS
FOR LOGISTICS AND
WAREHOUSING

Series of indicators with touch screen and totalising firmware for weight management in logistics centres and warehouses.

5

GI650 *TOUCH*
> with totalising firmware
Designed for complete management of the weighing process in logistics centres and warehouses.

GI650 *STAINLESS STEEL*
Totalising firmware and stainless steel finish

GI650 *ABS*
Totalising firmware and ABS finish

ASSOCIATED PC SOFTWARE & APP

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Solutions for all sectors

INDICATORS
FOR VEHICLE WEIGHING

Indicators with truck weighing firmware designed for weighbridge weighing management.

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GI430 TFT
> alphanumeric
With TFT screen

GI650 TOUCH
> ABS or Stainless Steel
With touch screen

GI430 FOR ANALOGUE CELLS
Standard truck weighing firmware for the management of weighbridges with analogue cells

GI650 FOR ANALOGUE CELLS
Optional truck weighing firmware for the management of weighbridges with analogue cells

GI650D FOR DIGITAL CELLS
Standard truck weighing firmware for the management of weighbridges with digital cells

GI430D FOR DIGITAL CELLS
Standard truck weighing firmware for the management of weighbridges with digital cells

ASSOCIATED PC SOFTWARE & APP

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SOFTWARE
FOR VEHICLE WEIGHING

Software designed to complement the GI4xx series tare weight indicators for weighing vehicles on weighbridges.

7

GESNET SOFTWARE
> for plants handling waste
Software for the management of vehicle scales in waste handling plants

GESTRUCK SOFTWARE
> for industry
Software for scale management for vehicles in all types of industries.

INDICATORS

GI400
> with LED or LCD
Tare-weight indicator with housing in ABS or stainless steel

GI410
> with LED or LCD
Numerical indicator with housing in ABS or stainless steel

PORTABLE WHEEL WEIGHT INDICATORS

8

A series of indicators that can be customised according to the business sector, programmed with specific firmware.

GI620 COMPACT
> desktop format Indicador to use with wheel weighers and axle weighers.

GI620 LCD
> with carrying case
Portable indicator for weighing vehicle wheels and/or axles

WHEEL WEIGHING FIRMWARE
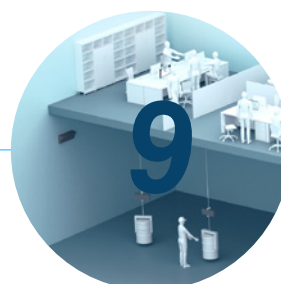Firmware for the addition of vehicle wheels in static mode

AXLE WEIGHING FIRMWARE
Firmware for the addition of vehicle wheels in static or dynamic mode

SOFTWARE PC & APP ASOCIADOS

REPEATERS FOR WEIGHT INDICATORS

9

Series of repeaters to display the weight detected by the indicator at different points and sizes according to needs

GI400 LED
> with LED display
GI400 indicator adapted to repeater with long distance cable

GI400 R45 and R100
> with LED display
and large digits visible at a distance

GI400 R45
LED weight repeater with 45 mm digits

GI400 R100
LED weight repeater with 100 mm digits

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REPEATERS

# Pair our devices with your ERP and specific software packages

"Giropes has a wide range of indicators and associated software depending on the sector or production process system"

PRODUCTION LINES AND WEIGHT REGISTRATION

GISCALE PRO

Software for the management and control of all the weighing points that are part of one or more production and packaging lines.

Gs PRO
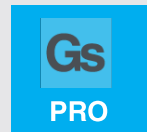
GISCALE ONE

Software for the management and control of a single scale and the recording of weights from a single weighing station.

Gs ONE

WEIGHING OF VEHICLES

CONTROL INPUTS/ OUTPUTS

GESTRUCK 2

Software for the management of scales for all types of vehicles and the management of incoming and outgoing industry materials in any economic sector.

GESNET 2

Software for the management of scales for all types of vehicles and the management of incoming and outgoing materials for waste, recycling, biomass or biogas plants, among others.
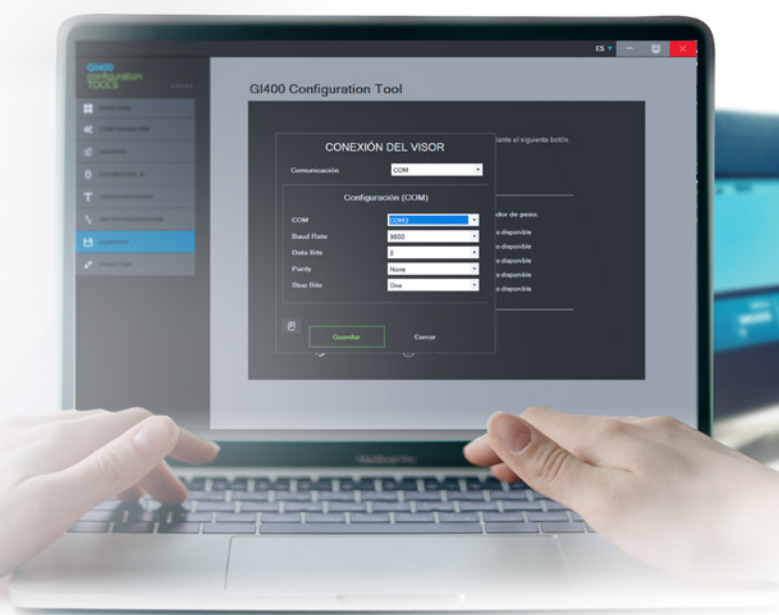
DYNAMIC WEIGHING

GESDYN 2

Software for the management of static and dynamic road weighing.

UPDATE TOOLS

Allows firmware upgrade of GI400 indicators without the need to return them to the factory.

UPDATING OF FIRMWARE

Ud

CONFIGURATION TOOLS

Allows the configuration and parameterisation of the GI400 family indicators. Using the Configuration Tools software, you can customise the header of the tickets.

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PRODUCTION LINES

MANUAL OR SEMI-AUTOMATIC PRODUCTION LINES

MANAGEMENT & OPTIMISATION

Giropes offers complete production line solutions thanks to its wide range of weighing systems and GISCALE software that allows better monitoring and management of weighing processes.
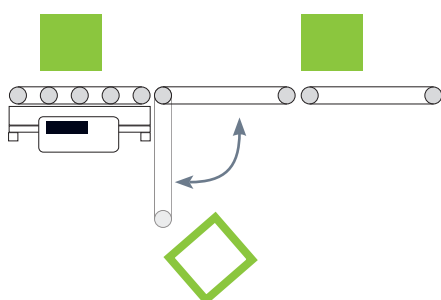
RFID SYSTEM

Giropes has developed firmware to control RFID readers ideal for recording weights and for controlling operations carried out. Ideal for recording weights in production lines.

Quick identification and activation per operator or product:
» With card swipe
» With card present
» Locking system

QUALITY CONTROL

The weighing process is a key quality control step at different stages of the production process. Over recent years, Giropes has committed to developing different systems that allow a high degree of automation of production lines in an optimal and efficient way, improving product management and making it easier for quality control teams to carry out their tasks.
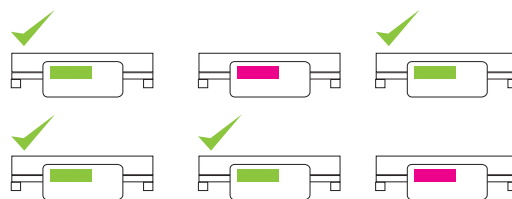
"Optimise resources and running of your production processes"

ACTUAL PACKAGING

How does the GISCALE software guarantee the accreditation of the *ACTUAL PACKAGING?*

- It ensures the correct weight of batches at the time of packaging through the checkweigher function.

- Eliminates shrinkage due to unsuitable products as per the regulations.

- Avoids human error through manual checks of product weight.

- It generates reports automatically for companies' internal quality controls and conformity controls of superior organisations.

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SERIE RFID PRODUCTION LINES

GI400-410i PROD & GI410RFID
2 MODELS (External RFID or integrated RFID)

The GI410i RFID indicator is specially designed for managing and controlling the registration of weights per product or operator.

Complementing the indicator with the GISCALE software allows greater control of the weighing system and facilitates its use

External RFID reader

integrated RFID

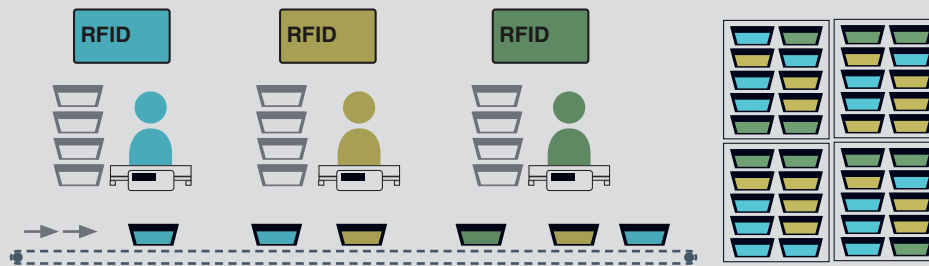*Set a target and top/bottom margin parameters*

With visual value alarm
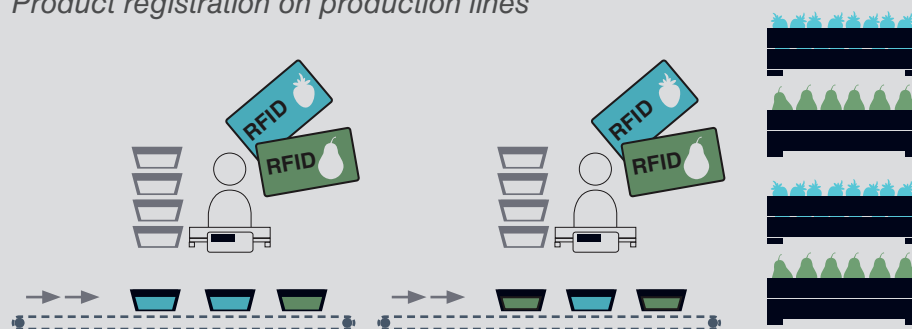
2 working systems

OPERATOR IDENTIFICATION
Operator registration on production lines

RFID   RFID   RFID

PRODUCT IDENTIFICATION
Product registration on production lines

RFID RFID   RFID RFID

Who stores the data?

WITH DATA DOWNLOADED ON THE INDICATOR

» Option to operate without a network
» Needs data synchronisation with the Giscale
» The downloadable data is limited (2 types of PLUs)
» Amount of data limited

NO DATA DOWNLOADED ON THE INDICATOR

» Option to operate without network, but the data associated with the weighing (recognised during normal operation by GISCALE) will be lost on restarts
» No synchronisation required (faster system)
» No limit on data or PLUs

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SERIE GI4XX PROD & GI410RFID

EXTERNAL RFID READER

» ABS IP67
» Internal registration of up to 1,000 weights in the indicator

MAIN FUNCTIONS

CONSULTAR FUNCIONES PRINCIPALES EN PG.INA 26

» Piece counting
» Checkweigher
» Totalisation
» Limits with relais function.
» GICoNF protocol (for configuration with the software).
» RFID and EAN protocols.
» Watchdog system to reset automatically if the indicator gets blocked.

» Firmware específico Producción

IMPRESIÓN
» Programación de 3 cabeceras (de PC), código, total.

IDIOMAS
» Español, Francés, Portugués, Italiano, Inglés.

ESPECIFICACIONES METROLÓGICAS
» Clases III y IIII
» Número de escalones de verificación 6000
» Monorango, multirango o multiintervalo (n ≤ 3000, por rango parcial de pesaje)

General features GI400-410 PROD

» GI400 Weight-Tara Indicator.
» GI410 Numeric indicator option.
» Operating temperature: -10ºC to 40ºC.
» IP65 protection
» Stainless steel housing.
» Reclining wall support (optional).
» Units: kg.
» Display:
    » LCD with 6 digits of 40mm.
    » Backlight function: On/off/auto.
    » Auto power ON by default.
    » Screen colour indication with checkweigher function.

*See supported protocols in the technical sheet

General features GI410 RFID

» Operating temperature: -10ºC to 40ºC.
» IP54 protection
» Stainless steel housing.
» Reclining wall support (optional).
» Telephone keypad.
» Units: kg.
» Display:
    » LCD with 6 digits of 40mm.
    » Backlight function: On/off/auto.
    » Auto power ON by default.
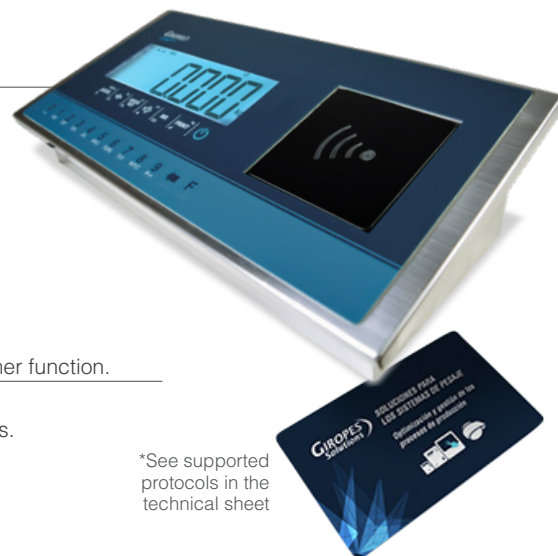   » Screen colour indication with checkweigher function.

INTEGRATED RFID READER
    » Internal registration of up to 1,000 weights.
    » 10 RFID card included.

*See supported protocols in the technical sheet

Communications

RS232
Ethernet*
Wifi optional
Alibi memory optional
RS485 optional

*Standard Ethernet in GI400 PROD RFID version, optional for GI410i RFID.
** Choosing any optional will override one of the serial ports.

Excitación

	110-230 VAC, 50/60 Hz
Power supply:	12VDC(optional in IP54 indicators)
Minimum entrance tension for step of verification	1µV
Tension of dupply of the load cell	5 VDC
Maximum tension of range of measure	20 mV
Minimum tension of range of measure	0,01 mV
Minimum load cell impedance:	25 Ω
Maximum load cell impedance	1100 Ω
Load cell cable	of 4 or 6 threads
output included	2 units RS232

DIGITAL INDICATOR SPECIFICATIONS

» Weight tare indicator with a memory to up to 400 item 1, 400 item 2 and 10 prefixed tares.
» The introduction of the details of the product can include code, description, tare, EAN code and the characterization of the product is according to its operating platform.
» GI410 indicators allow to generate multiple report lists choosing item 1 and/or item 2 and/or date.

SERIE GI4XX PROD & GI410RFID

References GI4xxi PROD with protocols RFID

Description	Code #
GI410i PROD LCD numeric indicator IP65	210318-01
GI400i PROD LCD numeric indicator IP65	210320-01
GI410i PROD LCD numeric indicator IP68	210334-01
GI400i PROD LCD numeric indicator IP68	210336-01
RFID External reader IP67 ABS	220250
Cards RFID	280027

References GI410i RFID integrated

Description	Code #
GI410i RFID numeric indicator	210295
GI410i RFID numeric indicator + Ethernet	210295-01
Cards RFID includes (10 units)	

Optionals

Descripción	Código #
Communication board – Wifi	-05
ALIBI/DSD memory	220008

* Optional WiFi disables Ethernet

Accessories

Description	Code #
Wall support for GI410i RFID indicator	220029
Ethernet wire 1 m	580552
Ethernet wire 2 m	580028
RS232 wire to computer 1,5 m (9F-9F / D)	270401
RS232 wire to printer1,5 m	-
Printer ORIENT BTP-M300 / IMP 27	630081
Printer POS76 / IMP 28	910035
Weighing repeater with 6 digits of 45 mm	210185
Weighing repeater with 6 digits of 100 mm	210256

Software

Description	Code #
Software Giscale ONE	280230
GISCALE PRO software	280373
Additional PC Giscale Pro license	280624
License scale Giscale Pro	280425
Giscale Module Statistics	280103
Echtzeit-Produktions-Panel-Modul	280775

Optional power suplie wires

Description	Code #
BS1363 (UK) for GI400i PROD RFID	220243
SEV1011 (CH) for GI400i PROD RFID	220244
TYPE B (USA) for GI400i PROD RFID	220245
BS1363 (UK) for GI410i RFID	220247
SEV1011 (CH) for GI410i RFID	220248
TYPE B (USA) for GI410i RFID	220249

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GIROPES

WEIGHING RECORD

SOFTWARE & APP

Gs ONE

GISCALEONE

CONNECTION
1 INDICATOR

*With GiScale ONE you will be able to manage and configure your indicator from the computer. Ideal for **recording weights.***

FEATURES

» A quick and intuitive interface.
» Simple installation.
» Exclusive compatibility with the indicators of the family GI4xx.
» It does not use any additional device.
» Multi-language.
» Support for SQL Server databases.

FUNCTIONS AND APPLICATIONS

» Start up:
  » Automatic detection of displays on the network.
  » Reconfiguration of indicator network.
  » Duplication of display configuration.
» Weighing record with product detail.
» Edition of products, packaging and operators
» Editing of weighing information (product, operator, etc.).

» Weight reports.
» Real-time graphs of average processed weight, maximum/minimum value, sampling rate or sample per second.
» Works with the various modes of the GI400 (checkweighing, counting, etc.)
» Configuration of the different weighing modes (checkweigher, negative checkweigher, etc.).*
» Consultation and graphic analysis

of weights (Giscale Statistics module):
  » Real time.
  » Histogram.
  » Graphics management.
» Customisation of tickets and reports.
» Graphic analysis of weighing records.
» Data exporting: Excel, PDF, etc.
» Configuration of the indicators' PLUs.

* See required indicator version

Licences

» Connection to indicators via TCP/IP (Ethernet) and RS232 (Serial Port)
» License ONE and PRO are managed via USB key or online via serial number.

Description	Code #
GISCALE ONE software	280230

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PRODUCTION LINES

SOFTWARE & APP

Gs
PRO

GISCALEPRO

CONNECTION UP TO 255 INDICATORS

INDUSTRY 4.0
closer to all types of production lines

With GiScale PRO you can manage production lines by: product, operator or scale.

FEATURES

» Multi-license (allows it to be managed from multiple computers).
» A quick and intuitive interface.
» Simple installation.
» Exclusive compatibility with the indicators of the family GI4xx PROD.
» It does not use any additional device.
» Multi-language.
» Support for SQL Server databases.
» ***It enables integration with ERPs and MES.***
» It enables multiple working seasons connected to the same data base.
» It enables to manage and set up multiple indicators simultaneously.
» It enables the register of multiple indicators simultaneously.

* See required indicator version

FUNCTIONS AND APPLICATIONS

» Start up:
    » Automatic detection of displays on the network.
    » Reconfiguration of indicator network.
    » Duplication of display configuration.
» Register of weighing with product detail.
» Edition of products, packaging and operators.
» Editing of weighing information (product, operator, etc.)
» Connection to multiple indicators.
» Printing of weighing tickets.
» Consultation of historical records.
» Exporting reports (PDF, XLS, CSV).
» Register of fields like: Customer, Product and Lot number
» Perform weighs with the different modes of the GI400 (control of weigh, production counter…)
» Configuration of the different weighing modes (checkweigher, negative checkweigher, etc.)

» Weigh in mode semi-unattended with the transmission modes (every X time, stable, manual: press PRINT from the indicator, zero crossing and zero crossing when unloading)
» Consult and graphic analysis in real time. (module Giscale Statistics):
    » Real Time
    » Histogram.
    » Management of graphic.
» ***Real-Time Production Panel Module: visualization of work pace in %, number of weighings, and the gifted product (per operator and scale). Objective and reliable real-time data that enables immediate action.***
» Personalization of tickets and report
» Without user name authentication.
» Monitoring and management of lines of production.
» Configuration of the indicators' PLUs.

Licences

» Connection to indicators via TCP/IP (Ethernet), wifi and RS232 (Serial Port)
» License ONE and PRO are managed via USB key or online via serial number.

Description	Code #
GISCALE PRO software	280373
Additional PC Giscale Pro license	280624
License scale Giscale Pro	280425
Giscale Module Statistics	280103
Giscale Real Time Production Panel Module	280775

SERIE GI4XX

SERIE LED

28   GI400 / G400i

LED display indicators. Possibility of stainless steel and ABS casing, variety of models with numeric keyboard version and different IP protection.

SERIE LCD

30   GI400 / GI410i

LCD display indicators. Possibility of stainless steel and ABS casing, variety of models with numeric keyboard version and different IP protection.

33   GI410I PRINT

Indicator with integrated printer

34   GI400 LCD ABS LI-ION
34   GI400I LCD STAINLESS STEEL LI-ION

With internal battery (Li ion rechargable)

SERIE ATEX

36   GI410-EX ⬡Ex
36   GI400-EX ⬡Ex

Weight indicator for ATEX zones of classification 2 & 22 included in group II, category 3.

LABELLER GI400-GI410 LED - LCD

40   ETD400I
40   ETD410I

Labeller with GI400-G410 indicator and thermal printer. Includes USB keyboard.

We continue improving our compact INDICATOR

SERIE GI4XX

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INDICATORS FUNCTIONS

"Much more than a tare-weight"

GI400-410

CHECKWEIGHER FUNCTION

It can manage automatically up to 4 zones using weight limits for each one of them. By selecting the desired weight, the indicator allows the user to choose superior or inferior limits through value or percentage.

DOUBLE CHECKWEIGHER FUNCTION

This function allows us to use the checkweigher mode with two non-overlapping 'OK' zones, in order to check two products without changing the PLU (Product Look-Up) on the indicator.

INITIAL AUTO-TARE + CHECKWEIGHER

This function allows us to perform the checkweigher function if it is being assumed that the containers may have different weights. This may be the case with pallets or wooden crates. With this function activated the weight of these containers will be tared without any action on the operator's indicator.

The main difference comwall to the standard checkweigher is that the first stable weight will be automatically tared and then the weighing procedure will start, once the target weight is reached ('OK' zone).

TAKE OUT FUNCTION

Allows monitoring of weight removed from the weighing equipment. The GI400 weight indicator shows you whether you are removing the required amount of weight from the scale or more or less than the required amount of weight. When you select the required weight you can set upper and lower limits by percentage or value.

PALLET WEIGHING FUNCTION

Allows a cumulative log of a series of weight readings for each pallet. Automatic recording of the tare value of each pallet provides a record of its net weight in order to calculate a Net Total figure.

PIECE COUNTING

This function allows the user to count the pieces which have been loaded on the platform according to the unit average weight PMU which has been scheduled previously.

TOTALISATION

This function allows the user to do the addition of the weights accumulated in the memory and shows the total number of weights.

LIMITS WITH RELAIS FUNCTION *(optional)*

The weight indicator GI400 has been designed to manage automatically a starter weight and 3 limits that activate 4 relays by means of weight registers for each one of them.

DOSAGE WITH RELAIS FUNCTION *(optional)*

The equipment has been designed to dosing automatically one product at two speeds or two products at one speed, with unload. The equipment can also program a unloading zone where the user can define the ending of the dosing.

REPEATER FUNCTION

Weight repeater display up to 16 m with output RS232.

Optional RS485 up to 1200 m (required in both devices).

Once you order the indicator/s it is necessary, if you want it for a production-line and/or with software Giscale. In case you want to work as a production-line, it must be the production firmware and the indicator will not have available the following functions: Initial Auto-tare+Checkweigher. Take Out, Pallet Checking and neither Dosify.

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SERIE LED

GI400-410 LED *ABS & STAINLESS STEEL*
TARE-WEIGHT AND DIGITAL INDICATORS

RED LED SCREEN WITH DIGITS OF 25MM HEIGHT.

Main specifications

working temperature -10 ºC to 40 ºC
Two housing models: ABS & Stainless steel
Numeric keyboard in the version GI410 LED
Reclining wall support
Units: kg
Other features
Integrated clock and calendar.
Format tickets with configurable weighing code.
Screen: Red LED of 7 segments plus point 6 digits of 25mm.
RS232 output (x2 included)
See dimensions on page 68
*** See IP protection and connections on page 72*

Excitation

Power Supply	110-230 VAC, 50/60 Hz 12VDC (optional on IP54 indicators)
Minimum entrance tension for step of verification	1μV
Tension of dupply of the load cell	5 VDC
Maximum tension of range of measure	20 mV
Minimum tension of range of measure	0,01 mV
Minimum load cell impedance	25 Ω
Maximum load cell impedance	1100 Ω
Load cell cable	of 4 or 6 threads

GI400 LED ABS & STAINLESS STEEL

ABS

Description	Code #
Indicator tare-weight GI400 LED ABS IP54	210027
Indicator tare-weight GI400 LED ABS IP54 12V	210116
Indicator tare-weight GI400 LED ABS IP65	210028

STAINLESS STEEL

Description	Code #
Indicator tare-weight GI400i LED STAINLESS STEEL IP54	210030
Indicator tare-weight GI400i LED STAINLESS STEEL IP54 12V	210135
Indicator tare-weight GI400i LED STAINLESS STEEL IP65	210031
Indicator tare-weight GI400i LED STAINLESS STEEL IP68	210140

GI410 LED ABS & STAINLESS STEEL

GI410 ABS

Description	Code #
Digital indicator GI410 LED ABS IP54	210233
Digital indicator GI410 LED ABS IP54 12V	210236
Digital indicator GI410 LED ABS IP65	210239

GI410i STAINLESS STEEL

Description	Code #
Digital indicator GI410i LED STAINLESS STEEL IP54	210119
Digital indicator GI410i LED STAINLESS STEEL IP54 12V	210136
Digital indicator GI410i LED STAINLESS STEEL IP65	210120
Digital indicator GI410i LED STAINLESS STEEL IP68	210141

Additional

Code #	Description	ABS GI400-GI410	STAINLESS STEEL GI400-GI410
220001-0	Internal battery (2,6Ah). Lithium-Ion Technology (ABS indicators)		-
220001	Internal battery (3,7 V/5,2Ah). Lithium-Ion Technology (STAINLESS STEEL indicators)	-	
220002	RS485 output		
220003	Additional board 4/20mA	-	
220004	Additional board 4E / 4S relais (IP54-65)	-	
220004-2	Additional board 4E / 4S relais (IP68)	-	
220005	Communication board - Ethernet	-	
220021-2	Communication board – Wifi		
220008	Additional board - ALIBI/DSD memory		

In stainless steel indicator version it is available just 1 of 220001 | 220003 | 220004 | 220005 except for IP68 protection, in this case would be chosen two of it.

International Power supply

Code #	Description	ABS GI400-GI410	STAINLESS STEEL GI400-GI410
220243	Power supply 100V-240VAC **IP65-68** BS1363 (UK)		
220244	Power supply 100V-240VAC **IP65-68** SEV1011 (CH)		
220245	Power supply 100V-240VAC **IP65-68** TYPE B (USA)		
220247	Power supply 100V-240VA **IP54** BS1363 (UK)		
220248	Power supply 100V-240VAC **IP54** SEV1011 (CH)		
220249	Power supply 100V-240VAC **IP54** TYPE B (USA)		

FUNCTIONS

SEE MAIN FUNCTIONS ON PAGE 26

» + Than 30 protocols
» System of 2 passwords to lock out functions
» 8 format of predefined tickets and 1 customizable (associated software)
» Printing configurable menu: number of copies, cutter on/off, line feed
» Watchdog system to reset automatically if the indicator gets blocked

PRINTING
» Programmer of three headings (PC), code, total.

LANGUAGES
» Spanish, French, Portuguese, Italian, English.

METROLOGICAL SPECIFICATIONS
» III & IIII Classes
» Max. number of verification steps 6000
» Monorange, multirange or multiinterval (n ≤ 3000, per partial range of weighing)

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SERIE LCD

GI400-410 LCD *ABS & STAINLESS STEEL*
TARE-WEIGHT AND DIGITAL INDICATORS

HIGH CONTRAST LCD SCREEN WITH CONFIGURATION OF COLOURS FOR CHECKWEIGHER MODE.

Set a target and top/bottom margin parameters

With visual value alarm

Main specifications

Working temperature -10 ºC to 40 ºC
Two housing models: ABS & Stainless steel
Numeric keyboard in the version GI410 LED
Reclining wall support
Units: kg
Other features
    Integrated clock and calendar.
    Format tickets with configurable weighing code.
LCD screen:
    Screen with 6 digits of 40mm,
    Backlight function: On/off/auto
    Screen colour indication with checkweigher function
*See dimensions on page 68
** See IP protection and connections on page 72

Excitation

	110-230 VAC, 50/60 Hz
Power Supply	12VDC (optional on IP54 indicators)
Minimum entrance tension for step of verification	1µV
Tension of dupply of the load cell	5 VDC
Maximum tension of range of measure	20 mV
Minimum tension of range of measure	0,01 mV
Minimum load cell impedance	25 Ω
Maximum load cell impedance	1100 Ω
Load cell cable	of 4 or 6 threads

FUNCTIONS

SEE MAIN FUNCTIONS ON PAGE 26

» + Than 30 protocols
» System of 2 passwords to lock out functions
» 8 format of predefined tickets and 1 customizable (associated software)
» Printing configurable menu: number of copies, cutter on/off, line feed
» Watchdog system to reset automatically if the indicator gets blocked

PRINTING
» Programmer of three headings (PC), code, total.

LANGUAGES
» Spanish, French, Portuguese, Italian, English.

METROLOGICAL SPECIFICATIONS
» III & IIII Classes
» Max. number of verification steps 6000
» Monorange, multirange or multiinterval (n ≤ 3000, per partial range of weighing)

DIGITAL INDICATOR SPECIFICATIONS

» Weight tare indicator with a memory to up to 400 item 1, 400 item 2 and 10 prefixed tares.

» The introduction of the details of the product can include code, description, tare, EAN code and the characterization of the product is according to its operating platform.

» GI410 indicators allow to generate multiple report lists choosing item 1 and/or item 2 and/or date.

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GI400 LCD ABS & STAINLESS STEEL

ABS

Description	Code #
Indicator tare-weight GI400 LCD ABS IP54	210216
Indicator tare-weight GI400 LCD ABS IP54 12V	210159
Indicator tare-weight GI400 LCD ABS IP65	210154

STAINLESS STEEL

Description	Code #
Indicator tare-weight GI400 LCD STAINLESS STEEL IP54	210162
Indicator tare-weight GI400 LCD STAINLESS STEEL IP54 12V	210168
Indicator tare-weight GI400 LCD STAINLESS STEEL IP65	210163
Indicator tare-weight GI400 LCD STAINLESS STEEL IP68	210193

Digital indicator
GI410 LCD ABS & STAINLESS STEEL

GI410 ABS

Description	Code #
Digital indicator GI410 LCD ABS IP54	210242
Digital indicator GI410 LCD ABS IP54 12V	210245
Digital indicator GI410 LCD ABS IP65	210248

GI410i STAINLESS STEEL

Description	Code #
Digital indicator GI410i LCD STAINLESS STEEL IP54	210171
Digital indicator GI410i LCD STAINLESS STEEL IP54 12V	210177
Digital indicator GI410i LCD STAINLESS STEEL IP65	210172
Digital indicator GI410i LCD STAINLESS STEEL IP68	210213

Additional

Description	Code #	ABS GI400-GI410	STAINLESS STEEL GI400-GI410
Internal battery (2,6Ah). Lithium-Ion Technology (ABS indicators)	220001-0		-
Internal battery (3,7 V/5,2 Ah). Lithium-Ion Technology (Stainless steel indicators)	220001	-	
RS485 output	220002		
Additional board 4/20mA	220003	-	
Additional board 4I / 4O relais (IP54-IP65)	220004	-	
Additional board 4I / 4O relais (IP68)	220004-2	-	
Communication board - Ethernet	220005	-	
Communication board – Wifi	220021-2		
Additional board ALIBI/DSD memory	220008		

In stainless steel indicator version it is available just 1 of 220001 | 220003 | 220004 | 220005 except for IP68 protection, in this case would be chosen two of it.

International power supply

Description	Code #	ABS GI400-GI410	STAINLESS STEEL GI400-GI410
Power supply 100V-240VAC **IP65-IP68** BS1363 (UK)	220243		
Power supply 100V-240VAC **IP65-IP68** SEV1011 (CH)	220244		
Power supply 100V-240VAC **IP65-IP68** TYPE B (USA)	220245		
Power supply 100V-240VA **IP54** BS1363 (UK)	220247		
Power supply 100V-240VAC **IP54** SEV1011 (CH)	220248		
Power supply 100V-240VAC **IP54** Type B (USA)	220249		

Specific features of GI410 LCD PRINT:
Reclining wall support (optional).
Thermic printing incorporated:
> 8points/mm
> Column width 40/42 (paper width 58mm).
> Resolution 203 DPI.
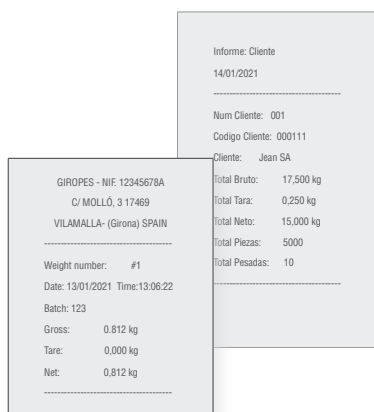> Printing at 50mm / sec maximum
1 RS232 serial output.

*See general features of the GI4xx LCD series on page 31
**See dimensions on page 69
*** See IP protection and connections on page 72

```
GIROPES - NIF. 12345678A
C/ MOLLÓ, 3 17469
VILAMALLA- (Girona) SPAIN
-------------------------------
Weight number:      #1
Date: 13/01/2021  Time:13:06:22
Batch: 123
Gross:        0.812 kg
Tare:         0,000 kg
Net:          0,812 kg
-------------------------------
```

```
Informe: Cliente
14/01/2021
-------------------------------
Num Cliente:   001
Codigo Cliente:  000111
Cliente:      Jean SA
Total Bruto:    17,500 kg
Total Tara:     0,250 kg
Total Neto:     15,000 kg
Total Piezas:   5000
Total Pesadas:   10
-------------------------------
```

GI410 LCD PRINT STAINLESS STEEL

INDICATOR GI410i PRINT

Description	Code #
Stainless steel numerical indicator GI410 PRINT with IP54 protection	210255

Additional

Description	Code #
RS485 output*	220002
Communication board - Ethernet*	220005
Communication board – Wifi*	220021-2
Additional board 4-20mA / 0-10V*	220003
Additional board 4I / 4O relais*	220004
Additional board ALIBI/DSD memory	220008
Wall support	220029

*Only one of the marked options can be installed. Except for RS485 output, the other marked options replace the serial RS232 output.

International power supply

Description	Code #
Power supply 100V-240VA **IP54** BS1363 (UK)	220247
Power supply 100V-240VAC **IP54** SEV1011 (CH)	220248
Power supply 100V-240VAC **IP54** TYPE B (USA)	220249

PRINTING FEATURES GI410i PRINT

» Programmer of three headings (PC), code, total

» Ticket Printing using different formats: weight, counting, checkweigher, totalization, accumulation with totalization with editable headers.

» Printing of total listings, by item, by item and date.

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SERIE GI400-G400I BAT LI ION

LCD INDICATORS WITH RECHARGEABLE BATTERY
LCD INDICATOR WITH INTERNAL BATTERY, ALLOWS INTENSIVE USE OF 8 CONTINUOUS HOURS.

Wall bracket with reduced height, ideal for use in columns.

BUILT-IN
BATTERY

8h BAT INT

The LCD, with its internal lithium battery, allows intensive continuous use for up to 8 hours.

INTENSIVE USE

| — | 0090 | OK | 0190 | + | 0255 | + | 2160 |

Set a target and top/bottom margin parameters   *With visual value alarm*

Main specifications

Working temperature -10 ºC to 40 ºC
Housing:
  Stainless steel
  ABS
Reclining wall support
Units: kg
Other features:
  Integrated clock and calendar.
  Format tickets with configurable weighing code.
LCD screen:
  Screen with 6 digits of 40mm,
  Backlight function: On/off/auto
  Screen colour indication with checkweigher function
RS232 output (x2 included)
See dimensions on page 69
*** See IP protection and connections on page 72*

Excitation

Power Supply	AC/DC 100-240 VAC 50-60 Hz
Internal battery	Li ion recargable 7,2V/ 2,6Ah
Minimum entrance tension for step of verification	1µV
Tension of dupply of the load cell	5 VDC
Maximum tension of range of measure	20 mV
Minimum tension of range of measure	0,01 mV
Minimum load cell impedance	25 Ω
Maximum load cell impedance	1100 Ω
Load cell cable	of 4 or 6 threads

INDICATORS GI400 LCD BAT LI ION

Description	Code #
GI400 ABS LCD BAT LI ION IP65 Indicator	210227
GI400 Stainless Steel LCD BAT LI ION IP65 Indicator	210228

Additional

Description	Code #
RS485 output	220002
Additional board ALIBI/DSD memory	220008
Communication board – Wifi	220021-2

International power supply

Description	Code #
Power supply 100V-240VAC IP65 BS1363 (UK)	220243
Power supply 100V-240VAC IP65 SEV1011 (CH)	220244
Power supply 100V-240VAC IP65 TYPE B (USA)	220245
Lithium battery charger 100V-240VAC IP65 (UK-CH-USA)	220251

* International power cables only available for the stainless steel version.

FUNCTIONS

SEE MAIN FUNCTIONS ON PAGE 26

» + Than 30 protocols
» System of 2 passwords to lock out functions
» 8 format of predefined tickets and 1 customizable (associated software)
» Printing configurable menu: number of copies, cutter on/off, line feed
» Watchdog system to reset automatically if the indicator gets blocked

PRINTING
» Programmer of three headings (PC), code, total.

LANGUAGES
» Spanish, French, Portuguese, Italian, English.

METROLOGICAL SPECIFICATIONS
» III & IIII Classes
» Max. number of verification steps 6000
» Monorange, multirange or multiinterval (n ≤ 3000, per partial range of weighing)

SERIE ATEX GI400-410 LCD

FOR 2 & 22 ZONES

WEIGHT INDICATOR FOR CLASSIFICATION 2 & 22 ATEX ZONES IN GROUP II, CATEGORY 3.

ATEX
CERTIFICATION

Weight indicator for classification 2 & 22 ATEX zones in group II, category 3.

» Zone 2: places where flammable gases or vapours are unlikely to be present or are present for short periods of time.

» Zone 22: places where combustible dust is unlikely to be present or is present for short periods of time.

Protection methods in accordance with:

» ATEX II 3G Ex nR IIC T6 Gc X (for gases)

» ATEX II 3D tc IIIC T85°C Dc IP68 (for dust)

Main specifications

Operation in zones 2/22 via power supply
Operation in zones 2/22 via internal battery (optional)
Working temperature -10ºC to 40ºC
Stainless steel housing
Reclining wall support
Telephone keypad (GI410 version)
Units: kg
Other features:
    Integrated clock and calendar.
    Format tickets with configurable weighing code.
Screen:
  › LCD: Display with 6 digits of 40mm
      Backlight function: On/off/auto
      Screen colour indication with checkweigher function
2 RS232 output
See dimensions on page 68
** *See IP protection and connections on page 72*

GIROPES

CE

SERIE ATEX

M | 68 IP | ATEX Ex

Excitation

	110-230 VAC, 50/60 Hz
Power Supply	12VDC (optional)
Minimum entrance tension for step of verification	1µV
Tension of dupply of the load cell	5 VDC
Maximum tension of range of measure	20 mV
Minimum tension of range of measure	0,01 mV
Minimum load cell impedance	25 Ω
Maximum load cell impedance	1100 Ω

INDICATORS ATEX GI400-410 LCD

Description	Code #
Indicator GI410i-EX LCD IP68 for ATEX zones	210266
Indicator GI410i-EX LCD IP68 for ATEX zones 12V	210293
Indicator GI400i-EX LCD IP68 for ATEX zones	210267
Indicator GI400i-EX LCD IP68 for ATEX zones 12V	210294

Accessories

Description	Code #
External battery ATEX Zone 2/22 Pack	220039
Additional external battery ATEX Zone 2/22	220041
Wall column support pack with column adapter	220040

Available for 12V indicators. The external battery pack includes charger and hose.
The bracket pack includes the CI-300 adapter for our columns (with 4 visor bracket screws)
and plastic clamp to fasten the battery adapter.

Additional

Description	Code #
Internal battery (3,7 V/5,2 Ah). Lithium-Ion Technology	220001
RS485 output	220002
Additional board 4/20mA	220003
Additional board 4I / 4O relais (IP68)	220004-2
Communication board - Ethernet	220005
Additional board ALIBI/DSD memory	220008

It is just possible to have 2 of the following optionals in the same indicator 220001 | 220003 | 220004 | 220005

Accessories

Description	Code #
Junction Box up to 4 load cells for ATEX zones	240052
Junction Box up to 8 load cells for ATEX zones	240051

FUNCTIONS

SEE MAIN FUNCTIONS ON PAGE 26

» + Than 30 protocols
» System of 2 passwords to lock out functions
» 8 format of predefined tickets and 1 customizable (associated software)
» Printing configurable menu: number of copies, cutter on/off, line feed
» Watchdog system to reset automatically if the indicator gets blocked

PRINTING
» Programmer of three headings (PC), code, total.

LANGUAGES
» Spanish, French, Portuguese, Italian, English.

METROLOGICAL SPECIFICATIONS
» III & IIII Classes
» Max. number of verification steps 6000
» Monorange, multirange or multiinterval (n ≤ 3000, per partial range of weighing)

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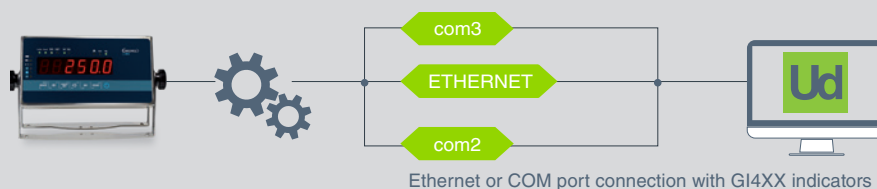# SUPPORT FIRMWARE

Ud
UPDATE TOOLS

Allows the firmware update of the GI400-GI410 indicators

It allows the firmware update of the GI400 indicators without returning them to the Giropès factory.

REQUIREMENTS
» Desk items applications (Windows 7 or later).
» 32 bits (x86) or 64 bits processor (x64) at 2.3 GHz or more.
» 4GB RAM Memory or more.
» 16 GB or more of available disk space.

FREE DOWNLOAD

com3
ETHERNET
com2

Ud

Ethernet or COM port connection with GI4XX indicators

Ct
CONFIGURATION TOOLS

Allows the configuration and parameterization of the GI400-GI410 indicators

It allows the configuration and parameterization of the indicators GI400. Using the Configuration Tools software, you can customize the ticket header.

REQUIREMENTS
» Desk items applications (Windows 7 or later).
» 32 bits (x86) or 64 bits processor (x64) at 2.3 GHz or more.
» 4GB RAM Memory or more.
» 16 GB or more of available disk space.

FREE DOWNLOAD

com3
ETHERNET
com2

Ct

Ethernet or COM port connection with GI4XX indicators

GIROPES

CE ⬤ ⬤

APP INDICATOR

GIAPP
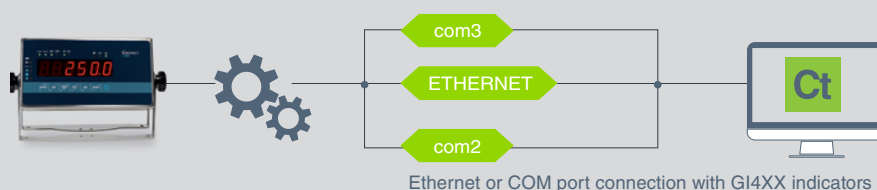
Android application to manage and control the indicators of the GI4xx series

FUNCTIONS AND APPLICATIONS

» Configure the connection of multiple indicators
» Connection to a single indicator simultaneously.
» Detecting, linking and connecting GI400 displays.
» Display the status of the connected display.
» Configure different display functions: tare, zero, etc.
» Download the weights from the connected indicator.
» Display list of downloaded weights
» Filter the list of weights.
» Share the weights as a CSV file.

ANDROID APP ON Google play

SPECIFICATIONS

» Configure the connection of multiple indicators
» Allows communication with a single indicator (wifi required) simultaneously for:
　» Checking the status of the indicator (weight, stability, checkweigher, etc.)
　» Tare (manual or automatic)
　» Zeroing
　» Recovering weights and exporting them

» search indicators

WIFI

MULTI-LANGUAGE

ANDROID SYSTEM

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GIROPES)
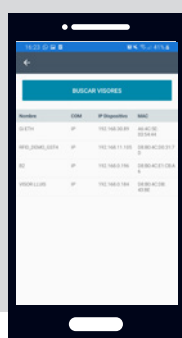
ETD GI400-410 LED

SYSTEM FOR SIMPLE LABELLING
LABELLER WITH GI4XX INDICATOR ADAPTABLE TO ANY WEIGHING PLATFORM

Working systems

Simple weighing label:
Label printing for products with various formats which are selectable at the time of printing.

Simple weighing and total weighing labels:
Product label printing and total product printing grouping all single weighing operations since the last total weighing label printout.

Simple weighing label with database product selection:
Product selection from the database imported into the Godex labeller through a CSV file with the breakdown of data related to that product.

SET ETD GI400i / GI410i LED & LCD

Labelling system composed of an indicator GI400i or GI410i LED in stainless steel and a GODEX labeling machine and USB keyboard. The labeling machine includes internal memory and a connectable keyboard which can be used without PC.

Descripción	Código #
Set GI400i + GODEX RT700i printer+ keyboard USB	260814
Set GI410i + GODEX RT700i printer + keyboard USB	260873
Set GI400i + GODEX RT700i printer + keyboard USB (with ethernet)	261516
Set GI410i + GODEX RT700i printer + keyboard USB (with ethernet)	261549

Labelling system composed of an indicator GI400i or GI410i LCD in stainless steel and a GODEX labeling machine and USB keyboard. The labeling machine includes internal memory and a connectable keyboard which can be used without PC.

Descripción	Código #
Set GI400i LCD + GODEX RT700i printer+ keyboard USB	261550
Set GI410i LCD + GODEX RT700i printer + keyboard USB	261551
Set GI400i LCD + GODEX RT700i printer + keyboard USB (with ethernet)	261552
Set GI410i LCD + GODEX RT700i printer + keyboard USB (with ethernet)	261553

*platform not included

Optional

Description	Code #
Format setting according to the parameters of the customer	910114

Software

Description	Code #
Software Giscale ONE	280230

SPECIFICATIONS

» Thermal transfer printer/direct thermal.
» Screen in colour and control panel for a quick and intuitive configuration.
» Autonomous working thanks to the connection for the standard USB keyboard.
» Transfer ribbons with 300 meters in length.
» It includes software to create labels. It is the Software Go-label, which is a complete programme for the design of labels. The formats which are created are saved in the labeling machine via USB cable. For this reason the label can be used then just using the keyboard.
» Labels up to 108 mm in width.
» It includes the possibility to introduce the barcode and logotypes. It also has formats of labels with customizable fields.
» Internal calendar-watch. It allows the predefinition of the printing date of the label.
» Input of data series RS232.
» Interfaces: USB2.0, Serial Port RS232, Ethernet 10/100 Mbps.

CTION

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LOGISTICS

GI650 WITH TOTALISER FIRMWARE

50	*GI650i*
50	*GI650 ABS*

Indicador digital táctil con firmware totalizador o truck weighing. Indicadores GI650D para células dgitales.

GIROPES
WEIGHING SOLUTIONS

TOTALISER LOGISTICS SYSTEM
GI650 ABS T8

The importance of traceability with firmware dedicated to control and registration at different levels.

» **BATCH MANAGEMENT**

Different batch functions (product - box - pallet)

» **CODE MANAGEMENT IN DATABASE**

Management of archive codes, a dossier of 2000 codes can be managed. This archive is used for managing 4 different types of codes in a spreadsheet (e.g. customer, material, source and destination). You can enter a specific name for each type.

» **MANAGEMENT OF FREE CODES**

Management of 4 free codes of up to 6 text characters that will not be stored in the database. You can enter a specific name for each type.

» **MANAGEMENT OF WEIGHTS**

Up to 2,700 complete weighings can be stored in memory (allows download via USB).

» **MANAGEMENT OF SAVED TARES**

» **MANAGEMENT OF PRODUCTS AND TARES**

» **MANAGEMENT OF CUSTOMERS AND SUPPLIER LISTS**

» **LABEL CONFIGURATION**

The firmware allows you to choose between three types of preconfigured tickets. Configure tickets from the device itself (header menu with configuration of header and foot).

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BATCHES
LOGISTICS SYSTEM

Product traceability must be properly managed and recorded. This may be a legal obligation in some cases, such as with food or pharmaceutical products, but proper records and traceability, from the unit product and the boxes or packaging, to the batch and then the truck, is essential for control and distribution processes.

CONFIGURATION WEIGH SYSTEM

WEIGHT PRODUCT

TOTALISATION

LOT & TOTALISATION

PALLET

LOGISTIC

Example of batch ticket by checkweigher ok

CHECKWEIGHER MODE

Clearly visible digits and colours on the 8" display screen.
Option to programme products with pre-programmed limits or to work in checkweigher mode at a general level, without being linked to a product.

DOWNLOADING DATA
DATA EXPORT AND IMPORT
USING A PEN DRIVE

» Simple but optimised system for uploading and downloading data, which allows data to be downloaded as a CSV file and used in Excel.

» You can modify and create data (e.g. products, tasks, descriptions, customers, suppliers, etc.) in line with the structure.

The storage capacity may change depending on the memory usage of the indicator.
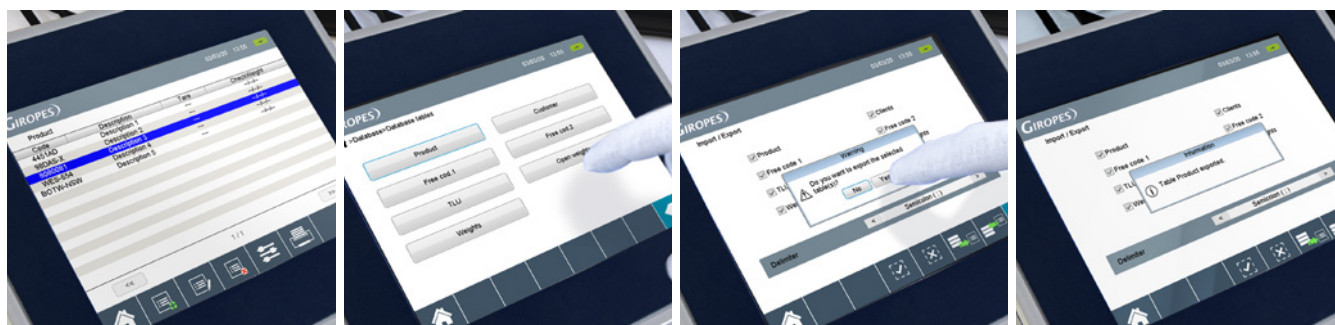
PRODUCTION

PRODUCT LINE

GI4XX SERIE

LOGISTICS

VEHICLES WEIGHING

WHEELS AND AXLES WEIGHIG

REPEATERS

TRUCK WEIGHING

GI650 WITH TRUCK WEIGHING FIRMWARE

50	GI650i
50	GI650 ABS
50	GI650iD for digital load cells
50	GI650D ABS for digital load cells

GI650 STAINLESS STEEL

GI650 ABS

TRUCK WEIGHING SYSTEM

» **WEIGHING OPTION**

- » First manual weighing.
- » Second manual weighing.
- » Weighing with manual tare.
- » Unique weight with saved tare by plate.

» **MANAGEMENT OF VEHICLES IN TRANSIT**

You can manage both trucks in transit and weights saved in the memory.

» **CONFIGURABLE PRINTING LIST AND TICKETS**

Allows you to configure the tickets quickly, easily and intuitively. Through the graphic visual interface, you can select the desired fields and determine the configuration to be stored in the device for each type of ticket.

» **LABEL CONFIGURATION**

The firmware allows you to choose between three types of preconfigured tickets.
Configure tickets from the device itself (header menu with configuration of header and foot).

» **CODE MANAGEMENT IN DATABASE**

Management of archive codes, a dossier of 2000 codes can be managed. This archive is used for managing 4 different types of codes in a spreadsheet (e.g. customer, material, source and destination). You can enter a specific name for each type.

» **MANAGEMENT OF FREE CODES**

Management of 4 free codes of up to 6 text characters that will not be stored in the database. You can enter a specific name for each type.

» **MANAGEMENT OF WEIGHTS**

Up to 2,700 complete weighings can be stored in memory (allows download via USB).

» **PRINTING PRE-PRINTED TICKETS**

It allows the printing of tickets saved in the database.

» **MANAGEMENT OF SAVED TARES BY PLATE.**

» **TARE**

Entering tares manually. Weighing with saved tares.

All metrological configuration functions can be protected by a password.

WEIGHING OPTIONS

1 FIRST WEIGHING
FIRST MANUAL WEIGHING

2 SECOND WEIGHING
SECOND MANUAL WEIGHING

WEIGHING WITH TARE
WEIGHING WITH MANUAL TARE

1 UNIQUE WEIGHT WITH SAVED TARE BY PLATE

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TRUCK WEIGHING
New technology for a robust program

The Gi650 series allows you to easily navigate the truck firmware with a tactile interface and technology designed to adjust to the new times.

INTRODUCTION OF MANUAL TARE WEIGHING WITH MEMORIZED TARE

MANAGEMENT OF MEMORIZED TARES BY PLATE

MANAGEMENT OF LORRIES IN TRANSIT
It is possible to manage as many vehicles in traffic as weighing memory are available.

PROGRAMMING
Date and time
Indicator and printing language

GI650 & GI650D

COMMON FEATURES
ANALOGICAL & DIGITAL LOAD CELLS

MAIN FEATURES

8" touch screen

Indicator versions:

ABS housing (IP54 / IP65)

Desktop version

Reclining wall support (optional)

Stainless steel housing (IP68)

Desktop version

Wall version

Languages: English, French, Portuguese, Italian, Spanish and German

Digital keyboard: QWERTY, AZERTY, QWERTZ

Power supply: 100-240 V AC 50/60Hz
(designed so the customer can adapt it to 12V DC)

Battery option (UPS type for power failures)

Operating temperature: -10ºC to 40ºC.

See dimensions on page 68

** See IP protection and connections on page 72

COMMUNICATIONS

RS232 x 2

Ethernet

USB - for uploading/downloading data (FAT32) or keyboard (optional device)

Optional Wifi*

Optional Alibi Memory

Optional RS485

* Optional WiFi disables Ethernet. In stainless steel version the indicator will have IP66 protection.
** Only for GI650 for analogical load cells

GI650
For analogical load cells

TECHNICAL SPECIFICATIONS

AD sigma-delta converter

Certified up to 10,000 e in single range and 2 x 10,000 e in multi range and multi interval

Class III and IIII

Minimum impedance 29 ohm

Maximum impedance 1200 ohm

AVAILABLE FIRMWARE

Totaliser - Logistics (standard)

Truck weighing (optional on request)

GI650D
For digital load cells

DIGITAL SYSTEM

TECHNICAL SPECIFICATIONS

Certified up to 10,000 e in single range and 2 x 10,000 e in multi range and multi interval.

Class III and IIII

Distance between indicator and weighbridge of up to 1200m

Connection to up to a max. 32 of digital load cell

AVAILABLE FIRMWARE

Truck weighing

GI650D for digital load cells

- **Individual diagnoses** the status of each of the digital cells.
- **Indicates incidents and errors** for the group of cells, or for each one of the digital cells.
- **Distinction and definitive identification** by the unique serial number of each of the installed cells.
- **Control the internal calculations** of each of the cells in real time.
- **Control errors quickly,** whether due to malfunction or a wiring failure.
- **Replace or change a cell** without the need for on-site calibration.

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GIROPES

CE ⊘ OIML

GI650
GI650D

REFERENCES

TOUCH INDICATOR GI650 & GI650D

GI650

Description	Code #	
Indicator GI650i IP68 mural with reclining wall support	210195	
Indicator GI650i IP68 desktop	210196	
Indicator GI650 ABS IP65	210326	
Indicator GI650 ABS IP54	210327	
GI650 indicator firmware		
Standard Firmware Totaliser - Logistics	330001	
Firmware Truck weighing	330002	

GI650D

Description	Code #	
Indicator GI650D mural with reclining wall support	210314	
Indicator GI650D desktop	210315	
Indicator GI650D ABS IP65	210330	
Indicator GI650D ABS IP54	210331	
GI650D indicator firmware		
Firmware Truck weighing	330002	

Standard communications

RS232 x 2
Ethernet
USB - for uploading/downloading data (FAT32) or external keyboard (not included)

Optionals

Description	Code #	
Communication board – Wifi	220021-4	
Alibi/DSD memory	220008	
RS485 output	220002	
Internal battery	-	

* Optional WiFi disables Ethernet. In stainles steel version, with optional WiFi the protection will be IP66
** Internal rechargeable battery that acts in case of power failure
*** RS485 output only for GI650 for analogical load cells

Accessories

Description	Code #	
Reclining wall support GI650ABS	220254	
Logitech K120 Business USB keyboard	580239	
Ethernet wire 1 m	580552	
Ethernet wire 2 m	580028	
RS232 wire to computer 1,5 m (9F-9F / D)	270401	
RS232 wire to printer 1,5 m	-	
Wire for Repeater 10m	-	
Printer LX-350*	630001	
Printer ORIENT BTP-M300 / IMP 27	630081	
Printer POS76 / IMP 28	910035	
Weighing repeater with 6 digits of 45 mm	210185	
Weighing repeater with 6 dígits of 100 mm	210256	

* Printer LX-350 only allowed with Truck weighing firmware

International power supply

Description	Code #	
BS1363 (UK) - IP65 / IP68	220243	
SEV1011 (CH) - IP65 / IP68	220244	
Type B (USA) - IP65 / IP68	220245	
BS1363 (UK) - IP54	220247	
SEV1011 (CH) - IP54	220248	
Type B (USA) - IP54	220249	

GIROPES

CE | (logos)

SOFTWARE GIMANAGER

FOR GI6XX INDICATORS

Gm

GIMANAGER

It is dedicated to the configuration and display for the GI6xx indicator series.

FUNCTIONS AND APPLICATIONS
» Search for indicators connected to a network or serial port.
» Download firmware updates.
» Management of basic configuration and firmware backups.
» Configuration of indicator parameters (general, metrological and communication).

CONFIGURATIONS
» GI650D Device Configuration:
  » Metrological parameters
  » AD parameters
  » Calibration parameters
  » Communication setup
  » Regional parameters

» Folders system:
  » For exported configurations and firmware backups

» Software update:
  » GIManager automatically detects updates and asks user to install them.

PC requirements
» OS Win 8 or later
» Processor: 1GHz
» RAM memory: 2GB
» Disk space: 10GB

REAL-TIME DISPLAY
of weight of the scale

Description	Code #
Gimanager. *Download on the website	-

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GI430 & GI430D
TFT GI430 ALPHANUMERIC INDICATOR
IN STAINLESS STEEL WITH OR WITHOUT PRINTER
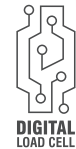
Option available for digital load cells.

1	**2**		**1**
FIRST WEIGHING First manual weighing	**SECOND WEIGHING** Second manual weighing	**WEIGHING WITH TARE** Weighing with manual tare	**UNIQUE WEIGHT** with saved tare by plate

Weighing options

GI430D for digital load cells

Weight indicator with truck-weighing firmware for digital load cells. Indicator designed and manufactured by Giropes capable of connecting to our digital cell.

INDIVIDUAL DIAGNOSES the status of each of the digital cells	INDICATES INCIDENTS AND ERRORS for the group of cells, or for each one of the digital cells	DISTINCTION AND DEFINITIVE IDENTIFICATION by the unique serial number of each of the installed cells	CONTROL THE INTERNAL CALCULATIONS of each of the cells in real time	CONTROL ERRORS QUICKLY, whether due to malfunction or a wiring failure.

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CE

GI430
GI430D

TRUCK WEIGHING
FIRMWARE

APPROVED
INDICATOR

JUNCTION BOX
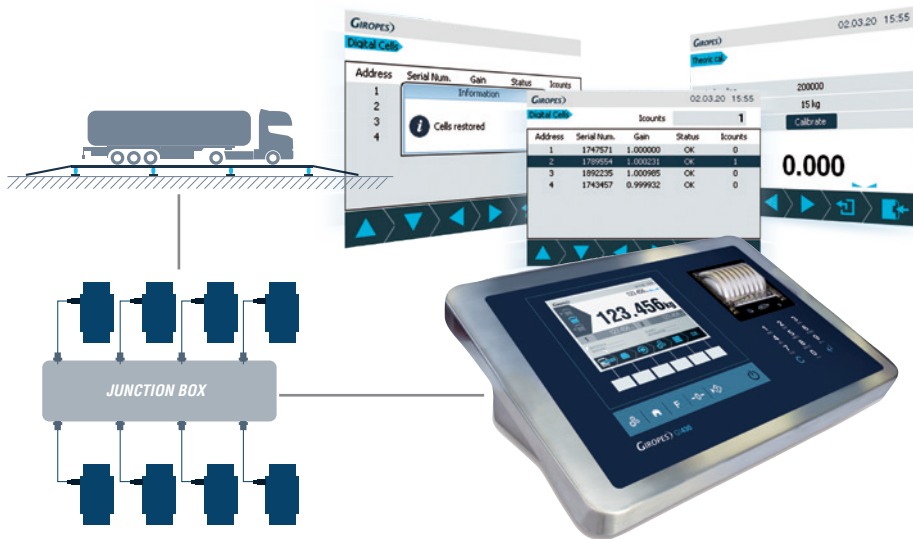
Specifications

FEATURES

Keyboard	Alphanumeric keyboard
	Direct functions keyboard
Screen	TFT screen of 320x240 pixels RGB
Models	2 designs: desktop and mural
Finished	Stainless steel IP54
Languages	Spanish, English, French and Italian
Alimentation	Power supply: 100-240 V AC, 50/60 Hz

*See dimensions on page 71
** See IP protection and connections on page 73

TECHNICAL SPECIFICATIONS GI430:

» Sigma-delta (Σ-Δ) converter with 24 bits and low noise, up to a max of 1.200 conv/seg.
» Max. 6.000e Mono range, Multi range or Multi slot (in 3.000, per partial weighing range) in approved version.
» 100.000 displayable divisions for internal use.
» Connection to up to a max. 14 of analogical load cell with an input resistance of 350 Ω.
» Minimum impedance of the load cell: 25 Ω.

TECHNICAL SPECIFICATIONS GI430D:

» Sigma-delta (Σ-Δ) converter with 24 bits and low noise, up to a max of 1.200 conv/seg.
» Max. 6.000e Mono range, Multi range or Multi slot (in 3.000, per partial weighing range) in approved version.
» Approved in line with OIML R76 and EN 45501, single range or multi-range.
» 100.000 displayable divisions for internal use.
» Distance between indicator and weighbridge of up to 1200m.
» Connection to up to a max. 14 of analogical load cell with an input resistance of 350 Ω.
» Minimum impedance of the load cell: 25 Ω.

FUNCTIONS

» **TARE.** Introduction of manual tare. Weighing with memorized tare.
» **DATE AND TIME PROGRAMMING.**
» **DIGITAL PRE-CALIBRATION.** Plug and weight system that allows you to connect and weigh directly without the need for calibration. (GI430D only)
» **CONFIGURABLE PRINTING LIST AND TICKETS.** Ticket reprint.
» **FILE CODES MANAGEMENT.** Management of file codes. It is possible to use a file of 2000 codes. Such file is used for the management of 4 types of codes; for example of customer, material, origin and plate code. It is also possible the programming of a different name for every code.
» **WEIGHTS MANAGEMENT.** It is possible to store a max of 4500 weight with acoustic signal to advise that the memory is nearly full (80%).
» **MANAGEMENT OF MEMORIZED TARES.**
» **MANAGEMENT OF LORRIES IN TRANSIT.** It is possible to manage as many vehicles in traffic as weighing memory are available.

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**4500
WEIGHTS
WEIGHING MANAGEMENT**
It is possible the storage of a max of
4500 weight with acoustic signal to
advise that the memory is nearly full
(80%)

GIROPES)

CE ✅ 🌐

GI430
GI430D

REFERENCES
&
OPTIONALS

INDICATORS GI430 & GI430D

GI430

Description	Code #
Indicator GI430 desktop for analogical load cells	210217
Indicator GI430 desktop with printer for analogical load cells	210218
Indicator GI430 mural for analogical load cells	210221
Indicator GI430 mural with printer for analogical load cells	210222
GI430 indicator firmware	
Truck weighing firmware	-

GI430D

Description	Code #
Indicator GI430D desktop for digital load cells	210291
Indicator GI430D desktop with printer for digital load cells	210289
Indicator GI430D mural for digital load cells	210290
Indicator GI430D mural with printer for digital load cells	210288
GI430D indicator firmware	
Truck weighing firmware	-

Standard communications

2x RS232*
Ethernet
USB (for external keyboards)

*2 RS232 (in printer version one of RS232 ports will be cancelled)..

Optionals

Description	Code #
Communication board – Wifi	220021-3
Alibi/DSD Memory	220008

Accessories

Description	Code #
Logitech K120 Business USB keyboard	580239
Ethernet wire 1 m	580552
Ethernet wire 2 m	580028
RS232 wire to computer 1,5 m (9F-9F / D)	270401
RS232 wire to printer 1,5 m	-
Wire for Repeater 10m	-
Printer LX-350*	630001
Printer ORIENT BTP-M300 / IMP 27	630081
Printer POS76 / IMP 28	910035
Weighing repeater with 6 digits of 45 mm	210185
Weighing repeater with 6 dígits of 100 mm	210256

International power supply

Description	Code #
BS1363 (UK)	220247
SEV1011 (CH)	220248
Type B (USA)	220249

* The GI430D indicator requires two power wires, one for the indicator and one for the load cell power supply

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VEHICLE WEIGHING SOFTWARE

GESTRUCK

With **GESTRUCK2** the users can register and process, in a quick and efficient way, the traffic in their weighbridges.

The software offers a complete control of the weighing operations of vehicles, with an easy to understand interface, and which facilitates, above all, the collection of the desired information with the maximum accuracy and quickness possible.

- » Inventory control
- » Management of storage areas
- » Statistical analysis

It supports different installation structures: from the most basic one (only one working station) to complex installations of autonomous systems of weighing management.

CUSTOMIZABLE SOFTWARE

- » First and foremost, Gestruck is customizable in many aspects such as filters, data sending, program operation options, assigning roles and users. And it even offers the customization of tickets.

CONTROL DEVICES

- » It allows the management of different control devices such as: control Access systems to the scales via barriers, vertical signs, automatic recognition of plate numbers via IP video cameras, proximity card readers, bar code reader, the correct placement of the vehicle in the scale, etc.

GES2WEB

GT2APP

CLOUD management solution

GES2WEB enables the management of all the entities which interfere in a weighing process (companies, vehicles, materials, etc.).

ACCESS ADMINISTRATION:

- » Definition of materials
- » Empowerment of vehicles
- » Possibility to control different weighing centres
- » Visualization of the state of the different containers of the centre

USER'S ACCESS:

- » Visualization of the data of the company
- » Statistical brief
- » Possibility to download invoices

Android application

- » It allows the capture of the weighing and send it to the Ges2Web.
- » Complete management of data collection of the entrances and details of the vehicle.

OPERATOR OF THE SCALE:

- » Quick search of users and vehicles.
- » Creation of user in the same search.
- » Weighing or sharing materials function.

AVAILABLE IN PLAY STORE FOR TABLETS AND ANDROID MOBILES.

- » This structure, thanks to the mobile and web application, gives the possibility to become the new transportable generation of GesTruck2.

VEHICLE WEIGHING SOFTWARE

GESNET

GESNET2 *is the solution for the automation and management of weighbridges in recycling plants.*

SPECIFIC FUNCTIONS GESNET2

» Clean point system.
» Descentralized system.
» Container load control.
» Processing and encoding materials.

GESNET

» With GesNet2 the owners can register and process, in an efficient and quick way, the traffic of their weighbridges.
» The software offers a complete control of the weighing operations of vehicles, with an easy to understand interface, and which facilitates, above all, the collection of the desired information with the maximum accuracy and quickness possible.
  » Inventory control
  » Management of storage areas
  » Statistical analysis
» It supports from the most basic weighing station to complex installations of autonomous systems of weighing management.

CUSTOMIZABLE SOFTWARE

» Gesnet is customizable in many aspects such as filters, data sending, program operation options, assigning roles and users. And it even offers the customization of ticke.

CONTROL DEVICES

» It allows the management of different control devices such as: control Access systems to the scales via barriers, vertical signs, automatic recognition of plate numbers via IP video cameras, proximity card readers, bar code reader, the correct placement of the vehicle in the scale, etc.

GESNETWEB

CLOUD management solution

» GESNET2WEB enables the management of all the entities which interfere in a weighing process (companies, vehicles, materials, etc).
» Associated with the GesNet2 or the application G2App it will allow the control of all its sorting plants.

ACCESS ADMINISTRATION:

» Definition of materials
» Empowerment of vehicles
» Possibility to control different weighing centres
» Visualization of the state of the different containers of the centre

RECYCLING BONUS:

» Function activated to subsidise to the users according to personalized parameters.
» The parameters included can be: days, user, kilograms of delivered material, etc.

G2APP

Android application

» It allows the capture of the weighing and sends it to the GesNet2Web.
» Complete management of data collection during the entrance of the materials and details of the vehicle.

OPERATOR OF THE SCALE:

» Quick search of users and vehicles.
» Creation of user in the same search.
» Weighing or sharing materials function.

AVAILABLE IN PLAY STORE FOR TABLETS AND ANDROID MOBILES.

» This structure, thanks to the mobile and web application, gives the possibility to become the new transportable generation of GesNet2.

WHEEL WEIGHING
& AXLE WEIGHING

WHEEL WEIGHING SOLUTION

1
BPRG | PM
Wheel weighing platforms

SERIE BPRG

SERIE PM

2
Indicator
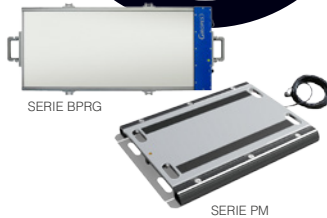
Firmwares:
wheel weighing & axle weighing

3
Software

Software
Gesdyn

4
Devices

Control
Devices
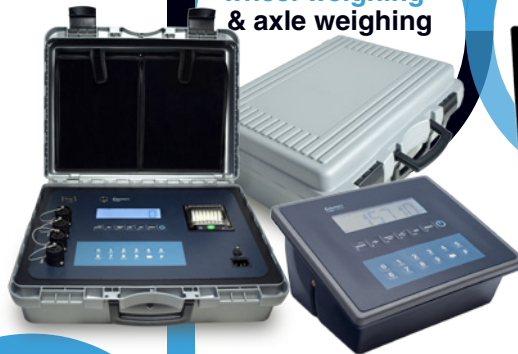
*Only for solutions of weighing axles

1
PM | BPRG | BPPEM
Axle weighing Platforms

BPRG

PM   BPPEM

AXLE WEIGHING SOLUTION

	FIRMWARE	
	wheel weighing	axle weighing
60 GI620 COMPACT	✔	✔
60 GI620 COMPACT wireless		✔
61 GI620 Portable weight indicator	✔	✔
61 GI620 Portable weight indicator wireless		✔

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#vehicle weighing operation

AXLE TOTALS
STATIC WEIGHTS 0KM/H >>

Vehicle axle weighing.

1 paso

2 paso

2000kg

2000kg

4.000 kg
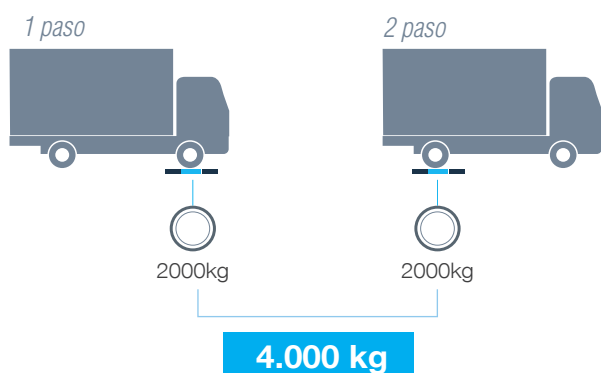
AXLE WEIGHING

Axle weighing lets us know any type of vehicle's compliance in terms of maximum loads.

For accurate weighing, the difference in height of the other axles must be corrected, if necessary, depending on the vehicle, and compensated for.

Operation
» Two platforms will be required per axle, the sum of which will allow the weight of the vehicle to be obtained.

» Axle weighing can be manual or automatic (in a static or dynamic system).

WHEEL TOTAL

Simultaneous weighing of all the wheels of the vehicle.

1CH   3CH   2CH

350kg 3CH   1CH 450kg

350kg 4CH   2CH 450kg

1.600 kg
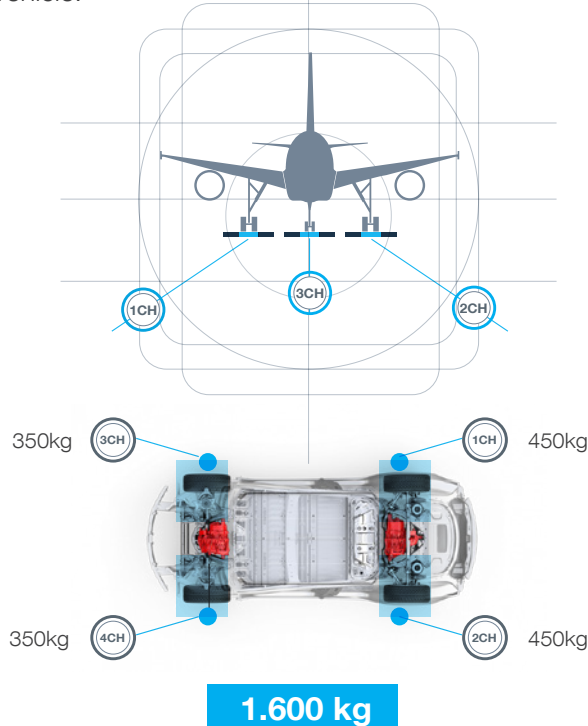
WHEEL TOTAL

The result of the weighing of the whole vehicle is obtained in a single operation.

This involves weighing all the vehicle's wheels simultaneously. Therefore, as many platforms as there are wheels are required.

WEIGHING VEHICLES PER WHEEL

Wheel weighing is essential for the correct balance of the vehicle and safety during braking and acceleration of the vehicle or when going around bends..

Operation *(*solo para model GI620 cable)*
» The same number of platforms will be required as the number of wheels on the vehicle. Approved version with wheel and static weighing available.
» Max reading channels: 4 /
   Max platforms 8.

DYNAMIC WEIGHING - AXLES 5 KM/H >>

Vehicle axle weighing

Eje 1   *Eje 2*   *Eje 3*   *Eje 4*   *Eje 5*

6000kg 6000kg   6000kg 8000kg 6000kg

32.000 kg

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GIROPES)
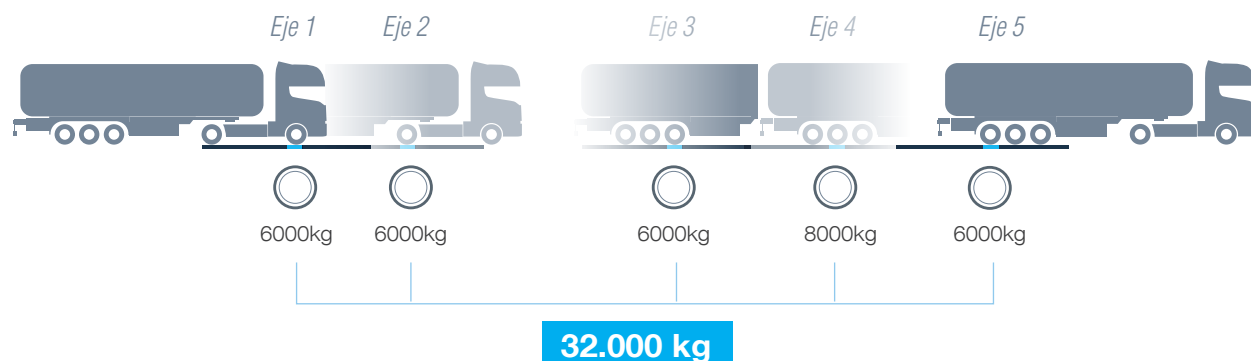
GI620 COMPACT & COMPACT-W
DESKTOP FORMAT
WITH WHEEL & AXLE WEIGHER FIRMWARE

GI620 INDICATOR IN DESKTOP FORMAT THAT ADAPTS PERFECTLY TO OFFICES AND SMALL SPACES

VERSIONS

» **GI620 COMPACT:** wired version (with a 10m long cable)
» **GI620 COMPACT W**: Wireless version (with optional cable connection)

Wheel weight firmware not available for wireless.

FUNCTIONS	WHEEL WEIGHING*	AXLE WEIGHING
» Zero control on all platforms.	✓	✓
» Weight display for each platform (static axle weighing).	✓	✓
» Axle Weight Display (Axle Weighing).		✓
» Display of the total number of platforms (up to 4 wheel weighing channels).	✓	✓
» Total weight of vehicle or vehicle and trailer.		✓
» Date and time programming (serial calendar clock).	✓	✓
» Calculation and printing of centre of gravity (on 2, 3 or 4 platforms) Coordinate or graphic display.	✓	
» Setting up print modes (via GiManager).	✓	✓
» Repeat ticket printing.	✓	✓
» List of weighed vehicles.	✓	✓
» List of weighed amounts.	✓	✓

Specification

Keypad	Waterproof, alphanumeric with 12 keys and 7 operating keys
Input/Output	4 channels 1 RS232 output (standard 1 output Ethernet-USB (optional) - for uploading/downloading data
Protection	IP54
Display	LCD with 6 digits 27mm high and 14 segments for easy reading
Units	kg (option lb outside of legal metrology)
Ticket	Configurable (GiManager)
Homologation	Homologables CE-M (OIML R-76 / OIML R-134) *according to platform
Available firmware	Axle Weighing Wheel Weighing
Power supply	110-240V AC 50/60Hz
Battery	Rechargeable lithium. 7,4V-2,6Ah (optional). Battery life during intense use: 5 hours
Dimensions (mm)	237x 201 x 124
Weight (kg)	4
Operating temperature range	between -10ºC and 40ºC

*OIML R76 in static with specific models of wheel weighers and axle weighers.
*OIML R134 in dynamic with wheel weigher platform model BPRG.
Speed up to 10 km/h, certified at 5 km/h.

METROLOGICAL SPECIFICATIONS:
- » Max. 10,000e or multirange / multiinterval 2 x 10,000e @ 0.3 µV/e in the CE-M approved version for legal use.
- » Max. 1,000,000 divisions viewable for internal factory use, with internal resolution up to 2,000,000 points.
- » Minimum impedance: 29 ohm
- » Maximum impedance: 1200 ohm
- » Class III and IIII

MEMORY
- » 1000 weighings can be stored in memory
- » 4 free and editable codes with 400 records each

I/O SECTION
- » 1 RS232 output.
- » Ethernet + usb.
- » Alibi memory (optional).
- » Battery (optional).

LANGUAGES
- » Spanish, Portuguese, French, English, Italian and German

INDICATOR

Description	Code #	
GI620 COMPACT ABS IP54 with RS232	210355	
GI620 COMPACT ABS IP54 with RS232 and Ethernet + USB	210355-1	
GI620 COMPACT wireless ABS IP54 with RS232	210355-05	
GI620 COMPACT wireless ABS IP54 with RS232 and Ethernet + USB	210355-15	
Wheel weigher firmware*	330006	-
Axle weigher firmware	330007	-

*Firmware to choose at the time of order. Wheel weight firmware not available for wireless.

Optionals

Description	Code #
Placa adicional memoria ALIBI/DSD	220008
Extra battery	220001-5

Accessoires

Description	Code #
45 mm 6-digit weight repeater	210185
100 mm 6-digit weight repeater	210256
IMP 27 dot matrix printer - Paper size: 76, 69 and 57 mm wide	630081
IMP 28 dot-matrix printer - Paper size: 76.2 mm wide	910035
IMP 29 dot matrix printer - Paper size: 57.5, 69.5, 76 mm wide	630065
IMP27.4 Thermal Printer - Paper size: 72 mm wide	630056
Laptop i5 512GB SSD - 8GB RAM - W11P - 15.6''	280753

Power Supply	
BS1363 (UK) - IP54	220247
SEV1011 (CH) - IP54	220248
Tipo B (USA) - IP54	220249

GIROPES

CE

SERIE GI620

M 54 IP

210355

210355-1

210355-1

210355-15

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GIROPES)

CE SGS OIML
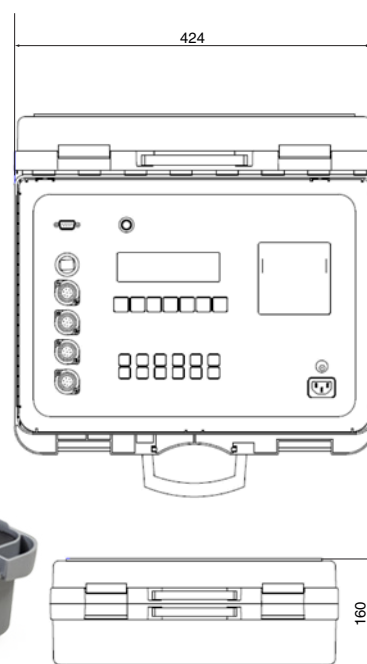
GI620 & GI620W
PORTABLE SUITCASE INDICATOR
WITH WHEEL & AXLE WEIGHING FIRMWARE
RELIABILITY FOR AXLE AND WHEEL WEIGHING ON THE ROAD OR STATIONS THAT REQUIRE PORTABILITY.

424

160

Dimensions en mm

VERSIONS
» **GI620:** wired version (with a 10m long cable)
» **GI620 W**: Wireless version (with optional cable connection)

FUNCTIONS	WHEEL WEIGHING*	AXLE WEIGHING
» Zero control on all platforms.	✓	✓
» Weight display for each platform (static axle weighing).	✓	✓
» Axle Weight Display (Axle Weighing).		✓
» Display of the total number of platforms (up to 4 wheel weighing channels).	✓	✓
» Total weight of vehicle or vehicle and trailer.		✓
» Date and time programming (serial calendar clock).	✓	✓
» Calculation and printing of centre of gravity (on 2, 3 or 4 platforms) Coordinate or graphic display.	✓	
» Setting up print modes (via GiManager).	✓	✓
» Repeat ticket printing.	✓	✓
» List of weighed vehicles.	✓	✓
» List of weighed amounts.	✓	✓

Specification

Keypad	Waterproof, alphanumeric with 12 keys and 7 operating keys
Input/Output	4 channels
	1 RS232 output (standard)
	1 output USB (optional) - for uploading/downloading data
IP66	IP54 (IP65 with closed case)
Display	LCD with 6 digits 27mm high and 14 segments for easy reading
Units	kg
Printer	Built-in thermal printer
Ticket	Fully configurable (GiManager)
Standardisation	CE-M approved (OIML R-76 / EN 45501)
Available firmware	Axle Weighing / Wheel Weighing
Power supply	110-240V AC 50/60Hz
12Vdc Power supply	For car or external battery (accessories not included)
Battery	Rechargeable lithium. 7.4V-2.6Ah
	Battery life during intense use: 5 hours
	Internal double battery kit in option for standard references (during intense use: 10 hours)
	Equipment with long-lasting battery (specific refs): 30 hours
Dimensions (mm)	425 x 390 x 165 (Case included)
Weight (kg)	5

METROLOGICAL SPECIFICATIONS:
» Max. 10,000e or multirange / multiinterval 2 x 10,000e @ 0.3 µV/e in the CE-M approved version for legal use.
» Max. 1,000,000 divisions viewable for internal factory use, with internal resolution up to 2,000,000 points.
» Minimum impedance: 29 ohm
» Maximum impedance: 1200 ohm
» Class III and IIII

MEMORY
» 1000 weighings can be stored in memory
» 4 free and editable codes with 400 records each

I/O SECTION
» 1 RS232 serial output for PC
» Wireless (optional)
» USB (optional) - for uploading/downloading data
» Alibi Memory (optional)
» Car charger (optional accessory)

LANGUAGES
» Spanish, Portuguese, French, English, Italian and German

GIROPES

CE

SERIE GI620

M	54 IP	65 IP		

PRINTING

» 4 header lines.
» Total weight of the vehicle
» Number of weighings.
» Date and time.
» Listings:
  » List of heavy vehicles.
  » List of heavy totals.

Only for wheel weighing firmware and GI620
» Printing coordinates and center of gravity graph.
» Weight of each platform and sum of any combination active at the moment of weighing.

INDICATOR

Description	Long duration battery	Code #	
GI620 LCD indicator suitcase		210268	
GI620 LCD + USB indicator suitcase		210268-08	
GI620 LCD Wireless indicator suitcase		210268-05	
GI620 LCD Wireless + USB indicator suitcase		210268-09	
GI620 LCD indicator suitcase BAT L	●	210349	
GI620 LCD + USB indicator suitcase BAT L	●	210349-08	
GI620 LCD Wireless indicator suitcase BAT L	●	210349-05	
GI620 LCD Wireless + USB indicator suitcase BAT L	●	210349-09	
Wheel weigher firmware*		330006	-
Axle weigher firmware*		330007	-

Firmware to choose at the time of order. Wheel weight firmware not available for wireless suitcase.

optionals

Description	Code #
ALIBI/DSD memory add-on card	220008
Car charger (optional accessory)	-
Internal double battery kit (2 x 3,7V/5,2MAh Ion-LI)	220001-10
Laptop i5 256GB SSD - 8GB RAM - W10P - 13.3''	280753

INTRODUCTION

PRODUCTION LINES

GI4XX SERIE

LOGISTICS

VEHICLES WEIGHING

WHEELS AND AXLES WEIGHING

REPEATERS

SOFTWARE & APP

GESDYN

GESDYN *is the Giropes software used in the weighing system for detection and penalisation in traffic.*

VERSIONS:
GESDYN ONE
» 1 control point.

GESDYN PRO
» Multiple weighing control points.

FEATURES

WatchDesk allows displaying the information associated with the vehicle registration, number of axles, classification of the vehicle, etc.

» Registers: visualization of all the vehicles registered in the system. It allows a subsequent statistical consultation and extraction of reports using searching parameters.
» Classification of vehicles: list of all the classifications of the existing vehicles.
» Real-time display of the vehicles which are circulating through the weighing area, via the CCTV cameras.
» Automatic number plate recognition (ANPR/LPR)
» Traffic statistics (list of vehicles with excess of weight, list of vehicles according to classification, etc).
» Visual displays to view the vehicles which have committed traffic rule violation.
» Varying levels of presentation of the information.
» Export of the information to Microsoft Excel and PDF.

GESDYN DESKTOP

DESKTOP solution

Software that allows total control of a weighing station, either with a control point (ONE) or with multiple control points (PRO):

» Configuration and manual or automatic weighing of the weighing station.
» Weight regulation: definition of weight thresholds, either generic or based on vehicle classification.
» Penalty for axle tandems

GESDYN WEB

ONLINE management solution

Integrates with GIRWIM devices and systems to provide accurate vehicle data such as vehicle weight and classification

» Platform to unify records of weighing or sanctions of different weighing stations.
» Records of weighing and penalties in real time. It does not allow live viewing of the station.

Installation on client server or CLOUD version

LICENCES

Description	Code #
GESDYN PRO Software (Traffic Detection and Penalisation)	280094
GESDYNWEB Web Platform in customers server	280079
* Requires maintenance and hosting (consult)	
GESDYNWEB CLOUD Platform (anual price)	280069
Integration of the third-party system via webservice	-

GIROPES

CE · SGS · OIML

SOFTWARE GIMANAGER

FOR **GI6XX** INDICATORS

Gm

GIMANAGER

It is dedicated to the configuration and display for the GI6xx indicator series.

FUNCTIONS AND APPLICATIONS

» A quick and intuitive interface
» Simple installation
» Exclusive compatibility with the indicators of the family GI6xx
» It does not use any additional device

CONFIGURATIONS

» GI650D indicator configuration:
  » Metrological parameters
  » AD parameters
  » Calibration parameters
  » Communication setup
  » Regional parameters

» Folders system:
  » For exported configurations and firmware backups

» Software actualization:
  » GIManager automatically detects updates and asks user to install them.

PC Requirements
» OS Win 8 or later
» Processor: 1GHz
» RAM memory: 2GB
» Disk space: 10GB

REAL-TIME DISPLAY
of weight of the scale

Description	Code #
Gimanager. *Download on the website	-

INTRODUCTION

PRODUCTION LINES

GI4XX SERIE

LOGISTICS

VEHICLES WEIGHING

WHEELS AND AXLES WEIGHING

REPEATERS

GIROPES

Main functions

Simple repeater fuction
COM1 / COM2 / Ethernet / Wifi

The simple repeater function with GI4XX allows the connectivity of 2 GI4XXs to repeat a weight issued by a weighing device, using COM1, COM2, RS485, Ethernet or Wifi. (Only available with all protocols)

ETHERNET

COM 1

com 3

Function as GI4XX repeater

★ interchangeably use RS485, Eth, Wifi
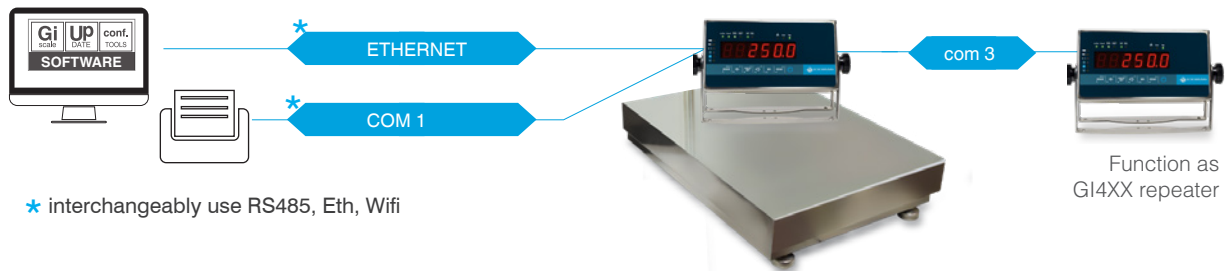
Sum channels function
COM 1 / COM 2 / COM 3

COM 1 — RS232
COM 2 — RS232
COM 3 — RS485

SCHEME 1

Sum function allows, at the repeater, the function to sum up to 3 weights via the entries: COM1 | COM2 | COM3 available as standard and it shows the result on display.

COM 1 — RS232
COM 2 — RS232
COM 3 — RS485 — SOFTWARE

SCHEME 2

The addition function allows you, in the repeater, to add up to 2 weights through the inputs: COM1 | COM2 | COM3 available as standard and send the result on the screen through the input is free of COM1 | COM2 and COM3.

COM 1 — RS232
COM 3 — RS485
COM 2 — RS232 — SOFTWARE

COM 2 — RS232
COM 3 — RS485
COM 1 — RS232 — SOFTWARE

Repeater for only one indicator
(GI4XX & GI400 R45)

COM 2 — RS232
COM 1 — RS232
COM 3 — rs485 — SOFTWARE
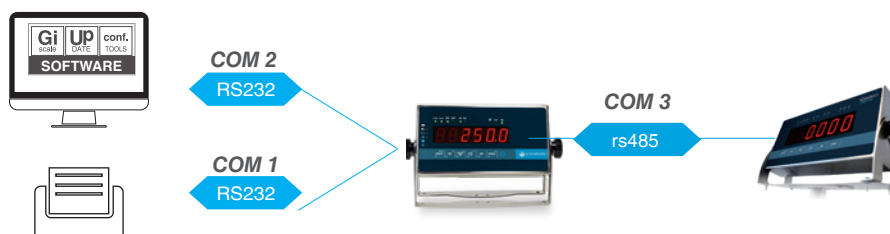
Available with GI400 R45

Using the equipment like a repeater of a single indicator, it allows "0" "T" setting and the tare of an GI400 indicator.
Allowing a great agility at workflow.

GI400I LED

Main display red LED of 7 segments and more points with 6 digits of 25 mm

* The GI400 indicator can be used as a repeater via the RS232 output (up to 16 m).

Acquiring the optional RS485 for the main indicator and for the indicator used as the repeater, it is possible to arrive up to a maximum distance of 1200 m.

Description	# Code
Indicator GI400i IP54	210030

ADDITIONAL

Description	# Code
RS485 output	220002

GI400 R45

Weight repeater with led with 6 digits of 45mm.
  IP65 Protection.
  Sum channel function.
  Multiprotocol
Entry
  COM 1: RS232
  COM 2: RS232
  COM 3: RS485
(15 m of cable included)
*See dimensions on page 71
** See IP protection and connections on page 73

Description	# Code
Repeater with 6 digits of 45 mm	210185

GI400 R100

Weight repeater with red LED of 7 segments with decimal. 6 digits of 100 mm height.
  Ambience light sensor.
  IP65 Protection.
  Sum channel function.
  Multiprotocol
Entry
  COM 1: RS232
  COM 2: RS232
  COM 3: RS485
(15 m cable included)
* With internal keyboard for configuration
** See dimensions on page 71
*** See IP protection and connections on page 73

Description	# Code
Repeater with 6 digits of 100 mm	210256

ADDITIONAL

Description	# Code
Communication board - Ethernet	220005

GI400-GI410 ABS
IP54-65 LED-LCD

pg.	model
28	GI400 LED ABS
30	GI400 LCD ABS
28	GI410 LED ABS
30	GI410 LCD ABS

Net weight (kg)	1,2
Packing weight (kg)	1,6
Packing dimensions (mm)	370 x 230 x 125
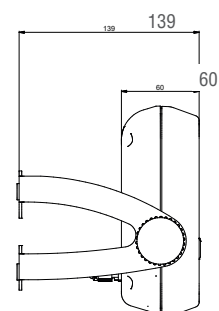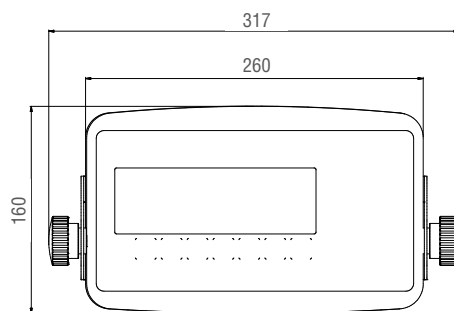
GI400i-GI410i INOX
IP54-65 LED-LCD

pg.	model
18	GI400i PROD inox
18	GI410i PROD inox
28	GI400i LED inox
30	GI400i LCD inox
28	GI410i LED inox
30	GI410i LCD inox

Net weight (kg)	1,6
Packing weight (kg)	2,2
Packing dimensions (mm)	370 x 230 x 125
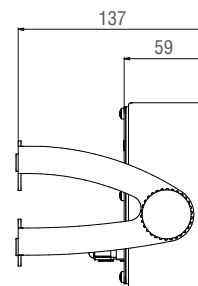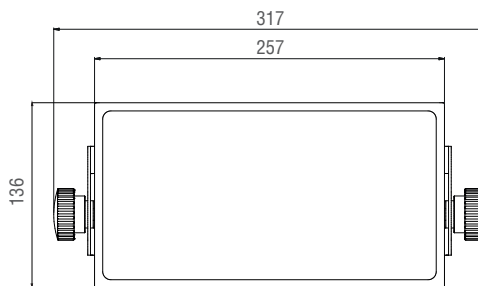
SUPPORT
WALL/COLUMN

support wall /column	
Distance between wall holes	239 x 62 x Ø8
Distance between column holes	22 x 38 x Ø5
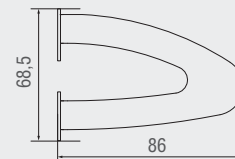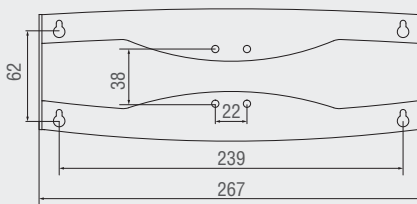
GI400i-GI410i INOX
IP68-EX LED-LCD

pg.	model
18	GI400i PROD inox
18	GI410i PROD inox
28	GI400i LED inox
30	GI400i LCD inox
28	GI410i LED inox
30	GI410i LCD inox
36	GI400i-EX LCD
36	GI410i-EX LCD

Net weight (kg)	2,6
Packing weight (kg)	3
Packing dimensions (mm)	370 x 230 x 125
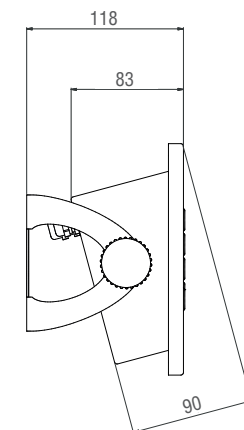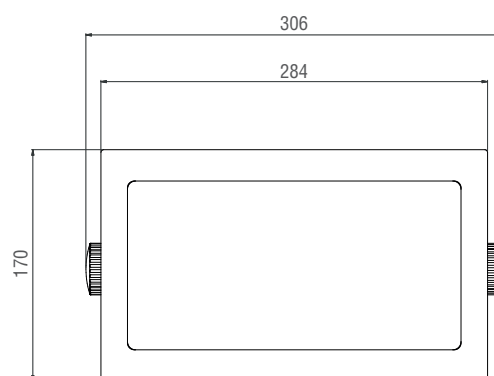
SUPPORT
WALL/COLUMN

support wall /column	
Distance between wall holes	236 x 84 x Ø6
Distance between column holes	22 x 38 x Ø4
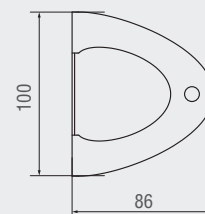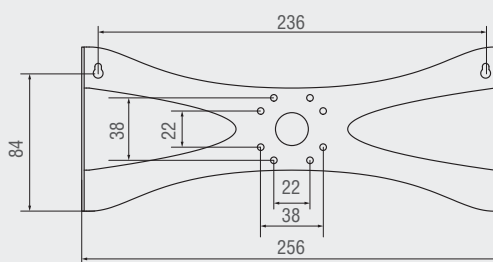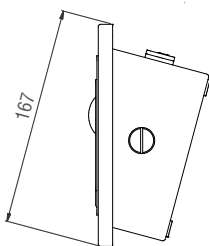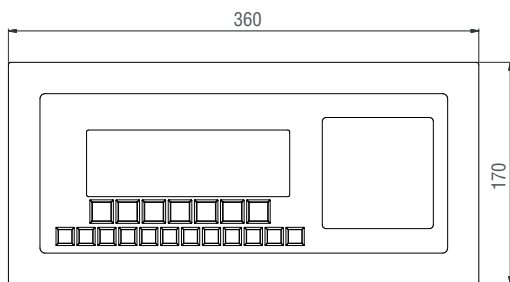
GI410i PRINT / RFID
IP54 LCD

pg.	model
20	GI410 RFID
33	GI410i PRINT

Net weight (kg)	2,4
Packing weight (kg)	2,8
Packing dimensions (mm)	370 x 230 x 160

SUPPORT
WALL/COLUMN

support wall /column

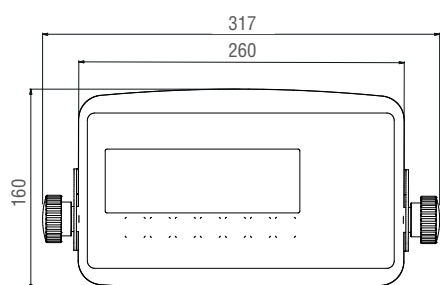|	
Distance between wall holes	315 x 16 x Ø6
Distance between column holes	22 x 38 x Ø4
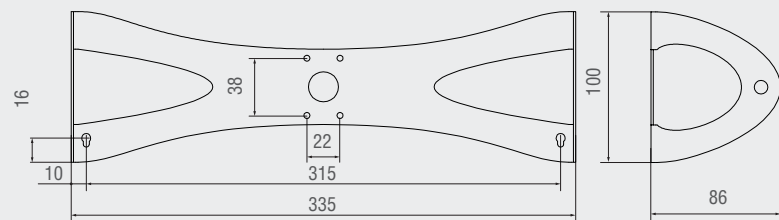
GI400 BAT LI-ION
ABS IP65 LCD

pg.	model
34	GI400 BAT LI-ION ABS

Net weight (kg)	1,2
Packing weight (kg)	1,6
Packing dimensions (mm)	370 x 230 x 125
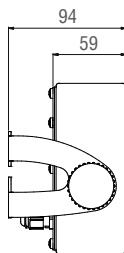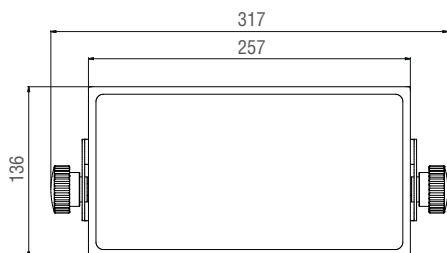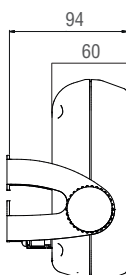
GI400i BAT LI-ION
INOX IP65 LCD

pg.	model
34	GI400i BAT LI-ION INOX

Net weight (kg)	1,7
Packing weight (kg)	2,2
Packing dimensions (mm)	370 x 230 x 125

SUPPORT
WALL/COLUMN

support wall /column

Distance between wall holes	315 x 16 x Ø6
Distance between column holes	22 x 38 x Ø4
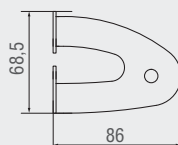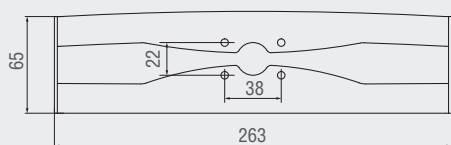
GI650 - GI650D INOX MURAL
IP68

pg.	model
42	GI650i T8 mural
42	GI650iD T8 mural

Net weight (kg)	3,8
Packing weight (kg)	4,4
Packing dimensions (mm)	418 x 300 x 146
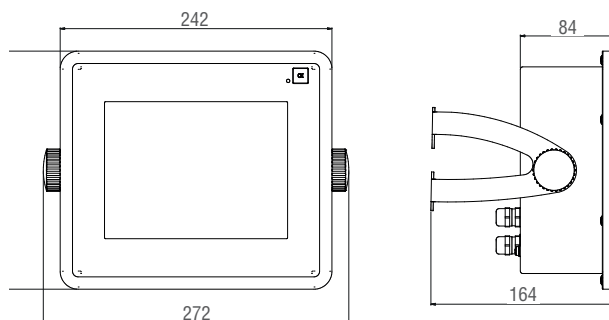
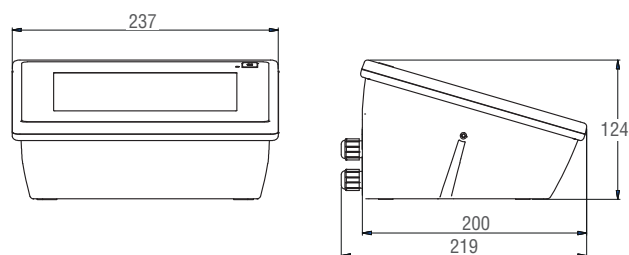## GI650 - GI65D ABS - GI620 COMPACT
IP54 / IP65

pg.	model
42	GI650 ABS
42	GI650D ABS
60	GI620 COMPACT

Net weight (kg)	3,7
Packing weight (kg)	4,4
Packing dimensions (mm)	418 x 300 x 146

SUPPORT
WALL/COLUMN

support wall/column	
Distance between wall holes	194 x 62 x Ø8
Distance between column holes	22 x 38 x Ø5
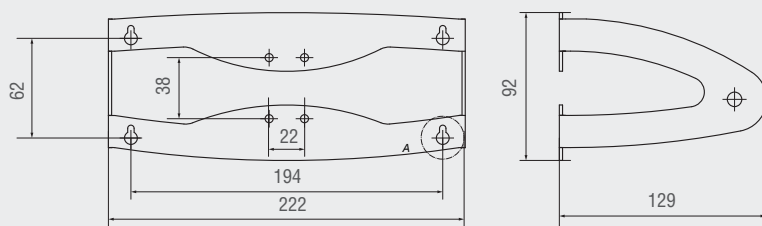
GI650 - GI650D INOX BENCH TOP
IP68

pg.	model
42	GI650i T8 bench top
42	GI650iD T8 bench top

Net weight (kg)	3,8
Packing weight (kg)	4,4
Packing dimensions (mm)	418 x 300 x 146
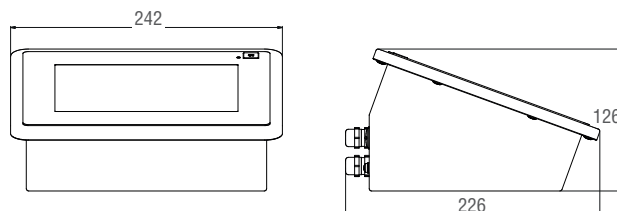
GI430 - GI430D BENCH TOP
IP54

pg.	model
52	GI430 truck weighing
52	GI430D truck weighing

Net weight (kg)	3,1
Packing weight (kg)	3,8
Packing dimensions (mm)	418 x 300 x 146
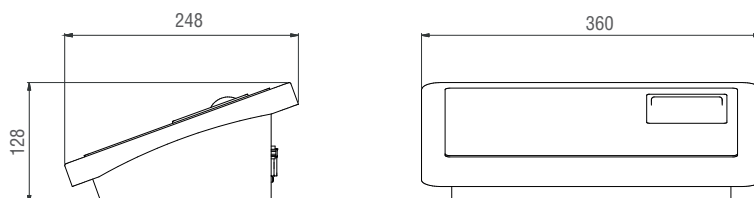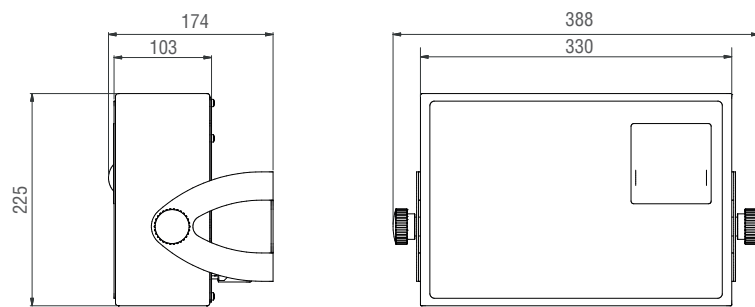
GI430 - GI430D WALL
IP54

pg.	model
52	GI430 truck weighing
52	GI430D truck weighing

Net weight (kg)	*3,7*
Packing weight (kg)	*4,4*
Packing dimensions (mm)	*418 x 300 x 146*
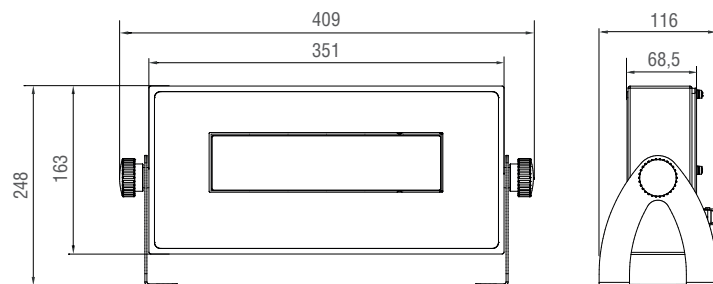
GI400 R45
IP65 LED

pg.	model
67	GI400 R45

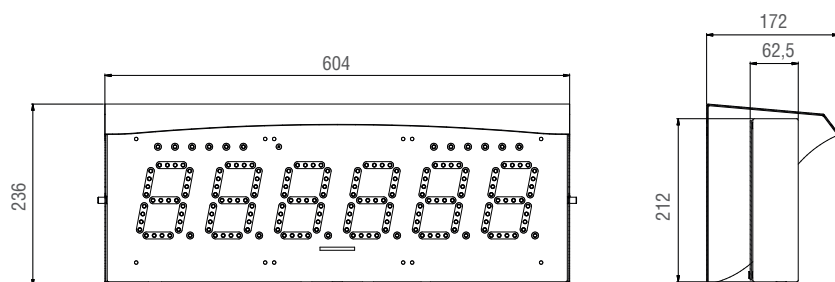|	
Net weight (kg)	*2,6*
Packing weight (kg)	*3,7*
Packing dimensions (mm)	*370 x 230 x 125*
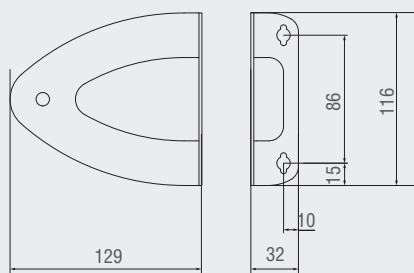
SUPPORT
WALL

support wall/column
Distance between wall holes   *86 x 10 x Ø9*
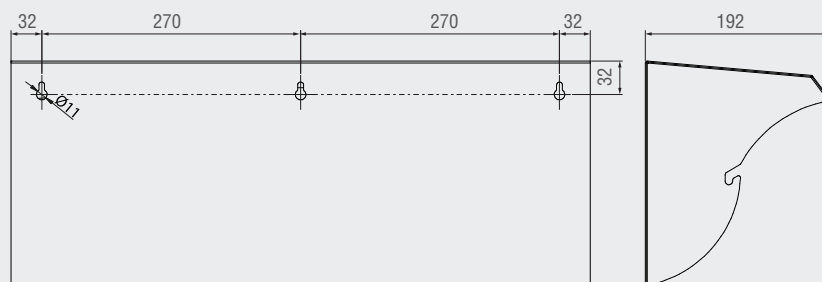
GI400 R100
IP65 LED

pg.	model
67	GI400 R100

Net weight (kg)	*6,7*
Packing weight (kg)	*7,5*
Packing dimensions (mm)	*685 x 280 x 230*

SUPPORT
WALL

support wall/column
Distance between wall holes

GI400-GI410 ABS
IP54-65 LED-LCD

IP protection for indicators GI400-GI410 ABS.

pag	model
28	GI400 LED ABS
30	GI400 LCD ABS
28	GI410 LED ABS
30	GI410 LCD ABS

IP54

IP65

GI400-GI410i INOX
IP54-65 LED-LCD

IP protection for indicators GI400i-GI410i stainless steel.

pag	model
18	GI400i PROD stainless steel
18	GI410i PROD stainless steel
28	GI400i LED stainless steel
30	GI400i LCD stainless steel
28	GI410i LED stainless steel
30	GI410i LCD stainless steel

IP54

IP65

GI400-GI410i INOX
IP68-EX LED-LCD

IP protection for inicators GI400i-GI410i (IP68 and ATEX) with stainless steel housing and LED and LCD display.

pag	model
18	GI400i PROD stainless steel
18	GI410i PROD stainless steel
28	GI400i LED stainless steel
30	GI400i LCD stainless steel
28	GI410i LED stainless steel
30	GI410i LCD stainless steel
36	GI400i-EX LCD
36	GI410i-EX LCD

IP68

ATEX

GI410i PRINT / RFID
IP54 LCD

IP protection of indicator GI410i PRINT with LCD display.

pag	model
20	GI410I RFID
33	GI410i PRINT

GI400 BAT LI-ION
IP65 LCD

IP protection for GI400 BAT LI-ION with ABS or Stainless steel housing.

pag	model
34	GI400 BAT LI-ION

IP65

IP65

GI650 BENCH TOP AND WALL
IP68

IP protection for GI650 indicator.

pag	model
42	GI650i
42	GI650iD

IP68 desktop   IP68 mural

GI650 ABS
IP54-65

IP protection for GI650 indicator.

pag	model
42	GI650 ABS
42	GI650D ABS
60	GI620 COMPACT

IP54   IP65

GI430 - GI430D BENCH TOP
IP54

IP protection for GI430 indicator.

pag	model
52	GI430 truck weighing
52	GI430D truck weighing

GI430 - GI430D WALL
IP54

IP protection for GI430 indicator.

pag	model
52	GI430 truck weighing
52	GI430D truck weighing
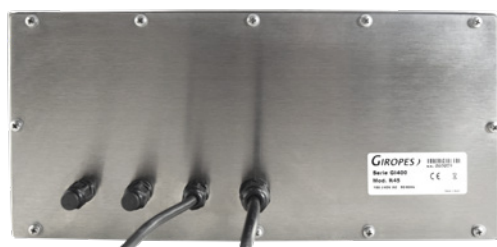
GI400 R45
IP65 LED

IP protection for R45 repeater.

pag	model
67	GI400 R45

GI400 R100
IP65 LED

IP protection for R100 repeater.

pag	model
67	GI400 R100

SUCCESSFUL PROJECTS

OUR BACKGROUND SUPPORTS US

Giropes' extensive experience has led to the creation of several successful complete installations in companies in many different fields, from the agricultural sector to waste treatment and even the aeronautical, competition, logistics and industrial sectors, among many others.

WARRANTY CONDITIONS

Giropès guarantees its products, bought through an authorized channel, with reference to manufacturing or material defects during a period of two years from the delivery date, according to the current legislation, except when there is a specific agreement or in the acceptance of the order.

» The guarantee does not include damages produced by the wear of the material dueto its use, inappropriate conservation or maintenance, Wrong storage or use, modifications introduced without the consent, on paper, from Giropes and in general due to causes beyond the control of our company, Giropes.

» The guarantee does not includeaccessories such as battery, adaptor, electrical header,etc.

» The reparations will be done by Giropes.The customer must pay for the dismantling, the packaging, the transport, the taxes, custom duty… produced by the delivery of the material to Giropes and its delivery to the customer.

» The customer must do the delivery of the material via the RMA system which Giropes has.

» Giropes can agree with the customer the reparation or the replacement of the faulty pieces. In such case, the expenses of the journey of the members of the technical service will be paid by the customer.

» In the event of a malfunction of the product, within the first 45 days since its delivery, it is going to be replaces. The customer must claim for any damages by completing a RMA form and the item must be returned in its original, undamaged packaging. Giropes reserves the right to ask for images and/or videos to evaluate each case and for its approval. Giropes is going to take charge of the picking-up and the transport of the product . Giropes reserves the right to charge the product and transport if the product has been handled and damaged or the packaging is not completed.

» A new warranty period does not commence in the case of replacement, but the calculation of the outstanding warranty period of the original product is reactivated.

» Giropes is not going to pay for the reparations done by third parties.

» The repairing or replacement of a faulty piece does not vary the guarantee period of the supplied product. However, the piece that has been repaired or replaced has a guarantee period of two years from the date when the reparation or replacement has been done (for the duration of the repair, the calculation of the two-year period is suspended).

» Giropes is not responsible, in any case, of indirect damages and/or as a consequence of the supplying.

» The Customer will be responsible of getting rid of the elements supplied by Giropes sl, following the necessary regulation rules, by its own account and responsibility.

WARRANTY FOR DAMAGES DONE DURING THE TRANSPORT:

» Customers out of Spain but in European Union have 7 days from the date of delivery of the merchandise to communicate to BAXTRAN any type of damage produced by the transport in case the transport has been hired by Baxtran. If the complaining is not done during this period, BAXTRAN will not be responsible and in charge to pay for any type of repairing or substitution if the product has been damaged. This period could change by other country's law.

» We remind you that there is at your disposal a section called "Reservations entry" to specify, when signing the delivery note that the package contains damages such as hits, breaks or others that can affect the product and cannot be seen without opening the package. We strongly recommend you to complete with your observations the delivery note from the deliverer before signing it. All the members of our staff have an EC Certify and the user's guide for our customers.

» Remember that as manufacturers Giropes SL does not include transportation damage in the guarantee, so if they do not specify it in the "Reservation Annotation" it can not be claimed from the carrier.

REMOVAL OF USED ELECTRONIC PRODUCTS WITH THE SAME FEATURES AS THE PRODUCT PURCHASED:

» GIROPES, S.L. is registered in the Register of Electrical and Electronic Equipment of the Ministry of Industry, Tourism and Trade (RII-AEE) under number 7322.

» GIROPES, S.L. offers the customer the possibility of, on delivering their purchase, removing a used electrical and/or electronic product with the same characteristics as the one sold.

RMA

Giropes announced the introduction of a **RMA service (Return Merchandise Authorization)** with the objective to improve steps for products returns and/or repair and give a better after-sales services.

From now **RMA** number is going to be compulsory to start any Technical Service.

If you are not familiar with our **RMA**, system, please click the link and follow the instructions.

httpw://www.giropes.com/en/rma/

STEP 1

Go to Giropes website and click on RMA section:
www.giropes.com

STEP 2

Complete the form to request RMA number:
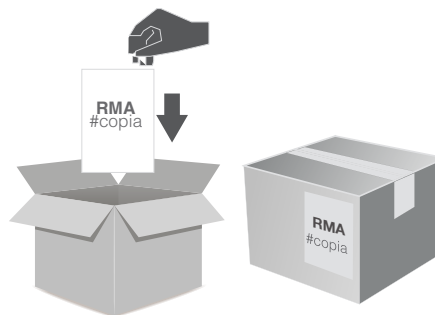
- **https://www.giropes.com/en/rma/**
- Giropes will answer within a period of more less 24 hours (on weekdays), with an RMA number and a label.

STEP 3

Return to Giropes:

- The box has to contain a copy of the RMA.
- The material has to be sent prepaid to the address that figures in the label, and a RMA copy appearing in a visible part of the package.

STEP 4

Return resolution:

- Once the material is received, Giropes will proceed verifying and/or repairing it. As soon as the incident is resolved, Giropes will send out the item repaired freight collect.

For more information contact with our Technic Service
+34 972 527 212
service@giropes.com

Compensation quotes are valid for 45 days from the date on which they are sent. If after this period no written reply of acceptance or rejection of the quote has been received, the merchandise will be returned with the delivery fees to be paid by the recipient. In the case that the delivery is rejected, and, consequently, returned to our facilities, the material will then be considered property of GIROPES.

CONDITIONS OF SALE

Following the general conditions of sale of Giropes SL, our Customers are incorporated to our database, so our customer is going to receive mailings with offers of our products and updates and news referring to these ones. If you want to use your rights of cancellation concerning to this matter , please contact us. In every email you receive, you can unsubscribe yourself if you do not wish to receive more offers or information about the products of Giropes SL and its brands.

NOTES REFERRING
TO OUR CATALOGUE

- The information of the products as well as their references and prices have been revised to make sure that they are right and they are completely updated. However, we can not guarantee that there is no mistake both in the Description and/or the prices which are shown or that our products are available at any time.

- The prices except if there is a typographical error or until the current document is modified. Please, consult Giropes SL to know always the last revision of the catalogue, the current prices and their availability at the time of placing your order.

- Similarly, we also inform you that the images that appear in our catalogue and in our website do not imply any contractual commitment. Giropes offers in this publishing and in the web of the products which are available and possibility to be delivered at the time of publishing the document. However, the circumstances can lead us to offer alternative equipment or changes in their design, which must also go through our exhaustive criteria of product quality.

INTELLECTUAL PROPERTY

- The sale and delivery of equipment, software or services by Giropes SL and their brands to the Customer does not represent any transfer of property rights, patents, "copyrights", trademark right, technologies, designs, specifications, plans or any other intellectual property directly or indirectly incorporated to the equipment and software.

PAYMENT TERMS

- All the prices that appear in our catalogue are without VAT. Any type of indirect tax in connection with the sale are in charge of the customer. Cost of transport is not included.

- In general, the form of payment is a transfer within 30 calendar days since the issue date of the invoice. The modalities and payment methods must be formalised in writing with the acceptance of Giropes SL.

- Cash discount: a discount of the 3% can be applied for cash discount, provided that the replenishing is done within 15 days subsequent to receipt of goods. The invoice is going to be done with cash discount if it has been indicated at the moment of confirming your order when sending the goods. If the payment has not been done within the specified time, we are going to send and invoice without the 3% discount. If the customer have a complaint or objection, it does not entitle him to delay payment.

ORDERS

- The Customer must ask for the equipment using any type of writing communication. The order which have not been approved first by Giropes SL will not be valid.

RETENTION OF TITLE

- As the Contractual relationship the Customer gives to Giropes SL the retention of title of the equipment delivered until the actual payment of the ones and in the established conditions.

VAT and transport not included at the prices.

Giropes

GIROPES Solutions | Baxtran | GIRWIM

Indicators
2024