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# GI620 & GI620W

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## INDICATORS PORTABLE CARRY CASE AXLE AND WHEEL WEIGHING

Reliability for axle and wheel  
weighing on the road or stations  
that require portability



**GIROPES**  
WEIGHING SOLUTIONS



## GI620 & GI620W

*Weight indicators for portable weighing platforms.*

The GI620 & GI620W indicator is the ideal solution to complete semi-portable installations with PM and BPRG wheel weighing platforms or fixed installations with different models of axle weighing platforms.

OIML certified, it has 4 channels for connection to platforms together with 2 available firmwares: axle weighing and wheel weighing.



*cable version / wireless version*

## Specifications

<b>Keypad</b>	Waterproof alphanumeric with 12 keys and 7 operating keys
<b>Input/Output</b>	4 channels 2 channels (GI620-W) 1 output RS232 (standard) 1 output USB (optional) for data upload/download
<b>Protection</b>	IP54 (IP65 with the carry case closed)
<b>Display</b>	LCD with 6 digits of 27mm height and 14 segments for easy readability
<b>Units</b>	kg ( lb option outside legal metrology)
<b>Ticket</b>	Fully configurable (GiManager)
<b>Approval</b>	CE-M approved (OIML R-76 / OIML R-134)
<b>Available firmwares</b>	Axle weights Wheel Weights
<b>Power supply</b>	230VAC
<b>Battery</b>	Rechargeable lithium. 7,4V-2,6Ah. Duration in intense use: 5 hours Battery life with long-life battery: 30 hours
<b>Dimensions (mm)</b>	425 x 390 x 165 (including suitcase)
<b>Weight (kg)</b>	5
<b>Temperature range of use</b>	From -10°C to 40°C

\*OIML R76 in static mode with specific models of wheel weighing platforms and axle weighing platforms.

\*OIML R134 in dynamic mode with BPRG wheel weighing platform model.

Speed up to 10 km/h, certified at 5 km/h.

### SECTION I/O and optional

- » 1 RS232 serial output for PC.
- » USB (optional) - for uploading/downloading data.
- » Alibi memory (optional).
- » Car charger (optional accessory).

### LANGUAGES

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

### MEMORY

- » 1000 memory storable weights.
- » 4 free and editable codes with 400 registers each.

### METROLOGICAL SPECIFICATIONS

- » Max. 10,000e or multirange / multiinterval 2 x 10,000e @ 0.3  $\mu$ V/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.

### TECHNICAL SPECIFICATIONS

- » Minimum impedance: 29 ohm
- » Maximum impedance: 1200 ohm
- » Class III and IIII



## 2 Firmwares

### WHEEL WEIGHTS

- » The same number of platforms as wheels of the vehicle shall be required. Approved version with wheel weighing and axle weighing.
- » Max. read channels: 4 channels
- » Max. platforms: 2 units per channel, cable connection, without barycentre function.

### AXLE WEIGHTS

- » 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)

### FUNCTIONS

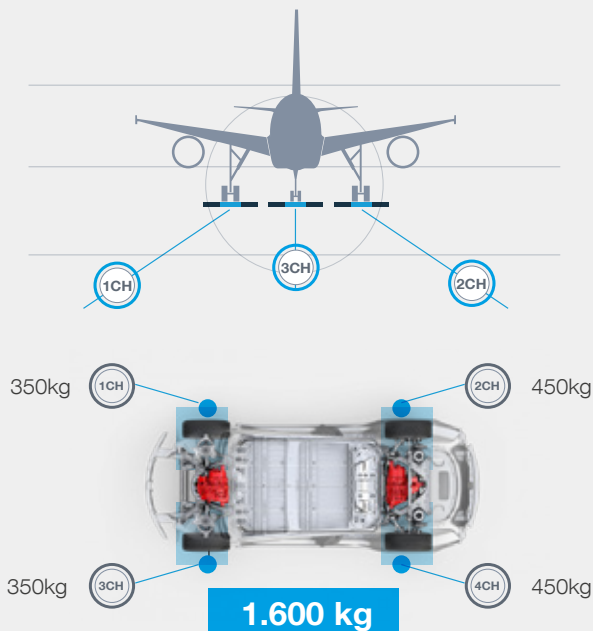
<b>FUNCTIONS</b>	<b>WHEEL WEIGHING*</b>	<b>AXLE WEIGHING</b>
» Zero control on all platforms	✓	✓
» Weight display for each platform (static axle weighing)	✓	✓
» Axle Weight Display (Axle Weighing)		✓
» Display of the total number of platforms (up to 4 wheel weighing channels)	✓	✓
» Total weight of vehicle 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	✓	✓

# #vehicle weighing operation static mode



## WHEELS TOTALS SUM

Simultaneous weighing of all the wheels of the vehicle.



## WHEELS SUM

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

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

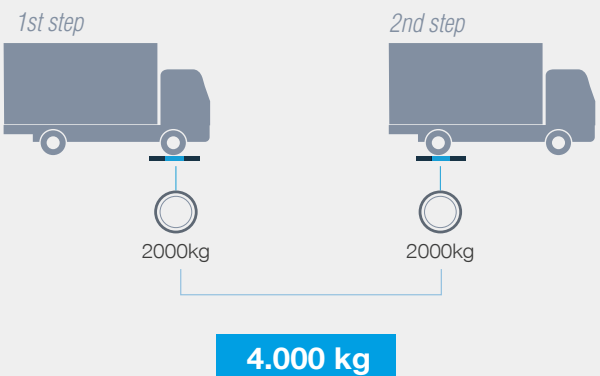
## WEIGHING VEHICLES PER WHEEL

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.

*(barycentre calculation)*

## AXLES TOTALS SUM >>

Vehicle axle weighing.



## AXLE WEIGHING

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

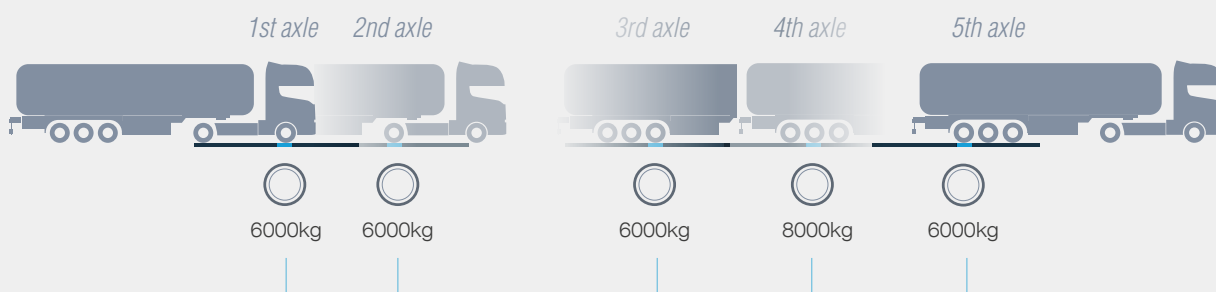
For accurate weighing, the difference in height of the other axles must be corrected, if necessary, depending on the vehicle, and compensated for.

# #vehicle weighing operation dynamic mode



## DYNAMICWEIGHING- AXLES 5 Km/h >>

Vehicle axle weighing:



32.000 kg



## #BALANCING for good weighing results, a level compensation analysis is required

With the mats we manage to align the wheels that are and are not in contact with the platform with that which we obtain a major precision during the weighing process.

The use 3-metre mats is recommended. The wheels that are less than 1m away from those in contact with the platform must be levelled to obtain the correct weight.

# #2 PC software available: Gimanager & Gesdyn

## GIMANAGER



### **Requirements:**

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

### **Configuration and visualization GI620 indicators**

#### **Main functions:**

- » 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)
- » Ticket configuration

#### **Real-time display of weight of the scale**

#### **Folders system**

- » For exported configurations and firmware backups

#### **Device configuration**

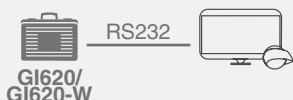
- » Metrological parameters
- » AD parameters
- » Calibration parameters
- » Communication setup
- » Regional parameters

## GESDYN



### **Software for weight control on the road**

- » GesDyn is the software by Giropes used in high speeds dynamic weighing system for the detection and penalties in traffic.
- » It includes a pre selection of vehicles, traffic statistics and data management. According to the parameters and classification of vehicles it will sanction or not the vehicle. The structure of the software enables its compatibility with third devices of hardware and software. It allows the adjustment of its application in different situations. It also enables to work with peripherals of control of Access and vehicles positioning.
- » GesDyn is the penalty system ready to cater the most demanding and different types of needs, respecting the accuracy, reliability and characteristics of the software.
- » It also gives to the user the possibility to control the traffic of one or more roads.
- » Version Wheel Weighing Indicator: Allows the centre of gravity to be displayed.



\*GI620 and GI620 Wireless indicators connection with PC request RS232.



## References

### Indicator

Description	Long Battery Life	Code #
Indicator with carry case GI620 LCD		210268
Indicator with carry case GI620 LCD + USB		210268-08
Indicator with carry case GI620 LCD BAT L	•	210349
Indicator with carry case GI620 LCD BAT L + USB	•	210349-08
Indicator with carry case GI620 LCD Wireless Axle weighing		210268-05
Indicator with carry case GI620 LCD Wireless Wheel weighing		210268-07
Indicator with carry case GI620 LCD Wireless Axle weighing + USB		210268-09
Indicator with carry case GI620 LCD Wireless Wheel weighing + USB		210268-10
Indicator with carry case GI620 LCD Wireless BAT L	•	210349-05
Indicator with carry case GI620 LCD Wireless BAT L+ USB	•	210349-09
Wheel weighing Firmware*		330006
Axle weighing Firmware*		330007

\*Firmware to be chosen when ordering.

### Optional

Description	Code #
Alibi Memory ALIBI/DSD	220008
Car charger (optional accessory)	-
Laptop computer i5 512GB SSD - 8GB RAM - W11P - 15,6"	280753

## PRINTING OPERATION



- » 4 header lines.
- » Total weight of the vehicle.
- » Number of weighing operations.
- » Date and Time.
- » Lists:
  - » List of weighed vehicles.
  - » List of weighed amounts.

#### ONLY FOR WHEEL WHEIGHING FIRMWARE AND GI650

- » Coordinates and barycenter graphic print option.
- » Weigh of each platform and sum of any active combination at the time of the weighing.

## DYNAMIC SOLUTION

The GI620 Compact indicator has the OIML R134 approval whenever it is used with the following models and in dynamic weighing (up to 5km/h).



## STATIC SOLUTION

The GI620 Compact indicator has the OIML R76 approval whenever it is used with the following models and in static weighing.

