

giropes

Platforms

of portable weighing

V26.1





Giropes: headquarters and production plant - Vilamalla, Spain

About us

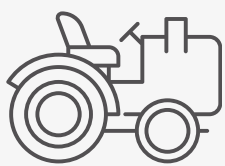
Giropes is a Spanish company specialized in the design and manufacture of industrial weighing systems, combining hardware and software to ensure control, traceability, and reliability in real environments.

With more than 30 years of experience, it is present in over 80 countries and has a network of more than 1,000 partners, ensuring proximity and support in every market.



Applications of portable weighing

Solutions adapted to each operational environment



Agriculture

Mobile weighing ideal for grape harvest and crop campaigns.



Road

Vehicle control and inspection.
Used by police forces and governments.



Transport and special equipment

Vehicles and structures with several support points.



Aeronautics

Center of gravity and distribution of the load.



Logistics

Containers and bins used in ports, customs, and logistics centers.



Sports automotive

Center of gravity and verification before competitions.

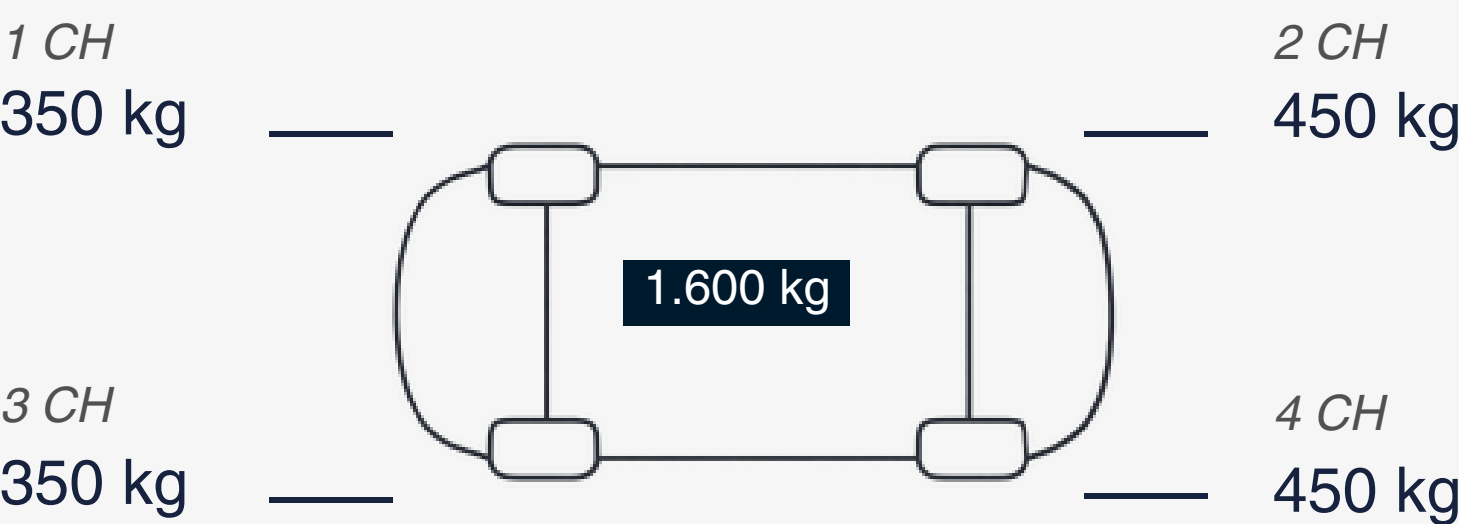
Main function

Four ways to weigh. Four different objectives

Wheel weighing

Detailed analysis of the load

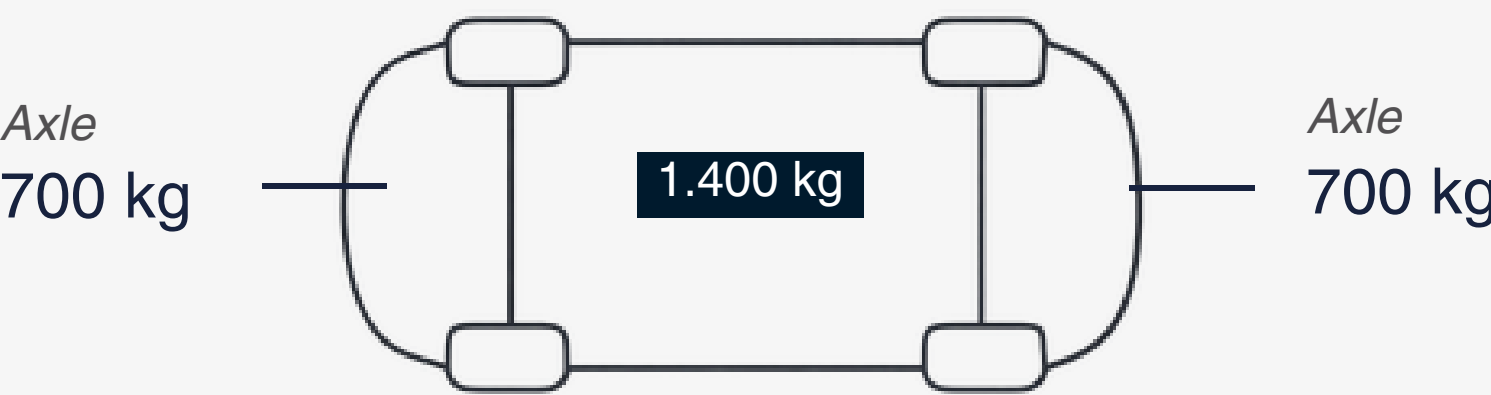
- » Detect load imbalances
- » Identify wheel overloads
- » Adjust vehicles after loading
- » Technical diagnosis



Axle scales (static)

Total and per axle weight control

- » Verify regulatory compliance
- » Control entries and exits
- » Road inspections
- » Validate and record weight



Special vehicles

Axle weight control

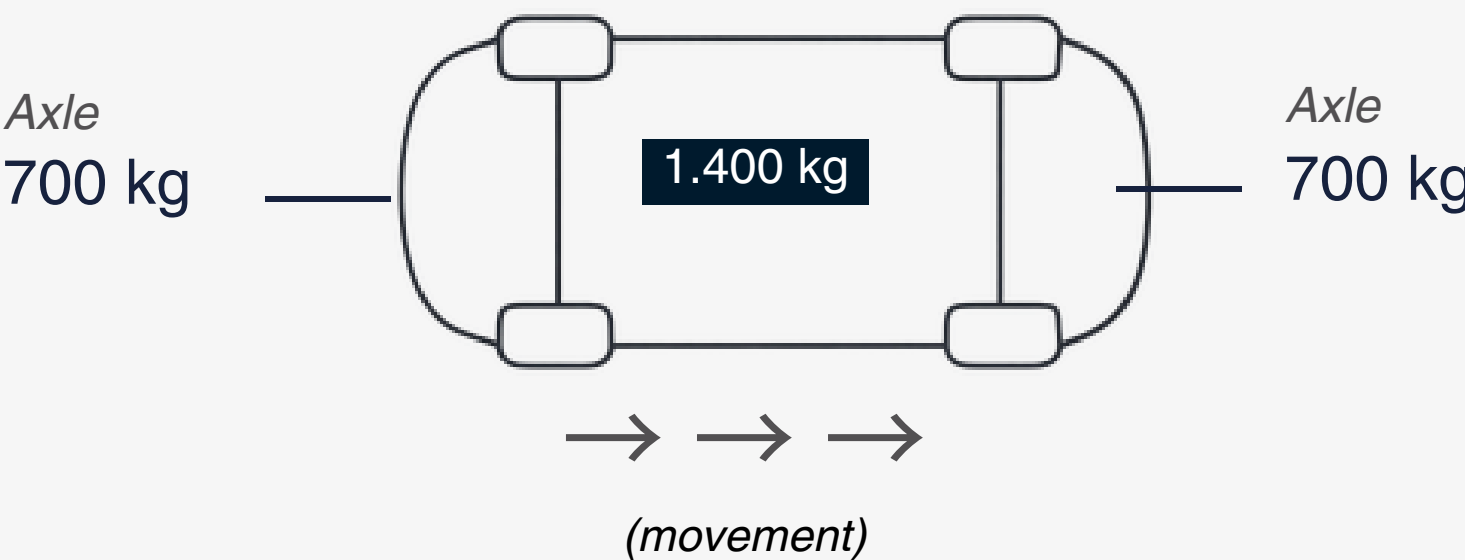
- » Several support points (with or without wheel)
- » Non-conventional axles



Axle scales (dynamic)

Control without stopping the vehicle

- » Weigh in Motion (WIM)
- » Greater operational speed
- » Ideal for continuous traffic
- » Approval up to 10 km/h



A complete portable weighing solution

Complete, modular system adaptable to each application

Platforms

BPR Series · PM

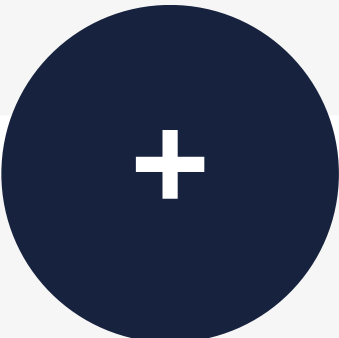
They capture the weight per wheel, axle, or total



Indicators

GI620 Series

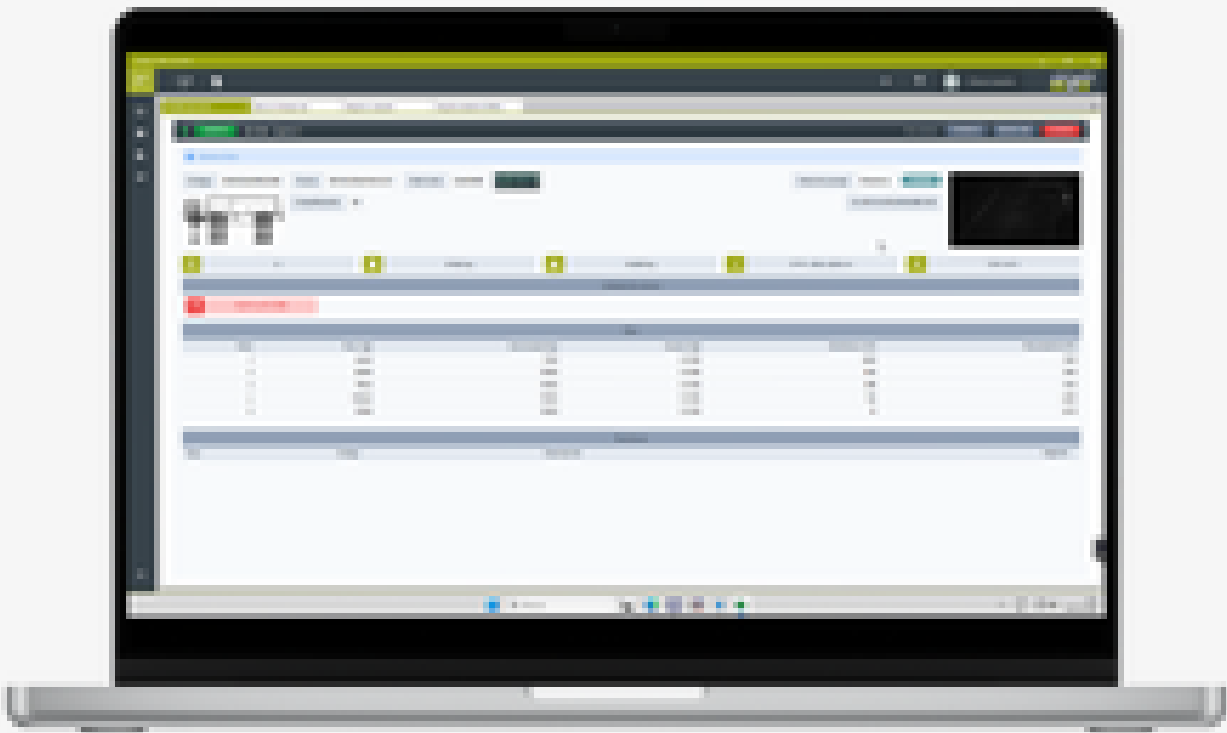
Display, control, and operation



Software

Gimanager · Gesdyn

Management, traceability, and data analysis



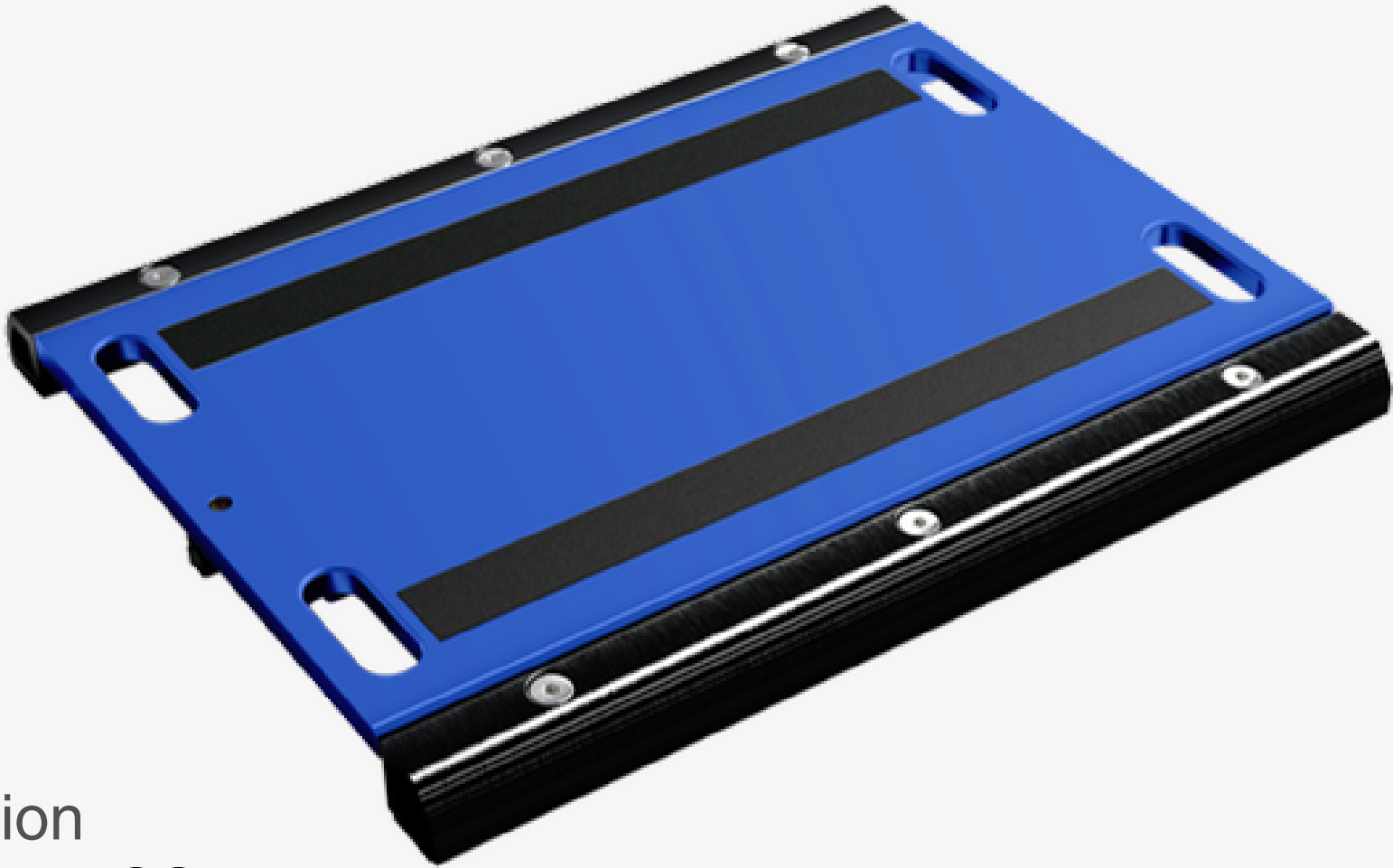
PM Series

Two technologies,
one solution



68
IP

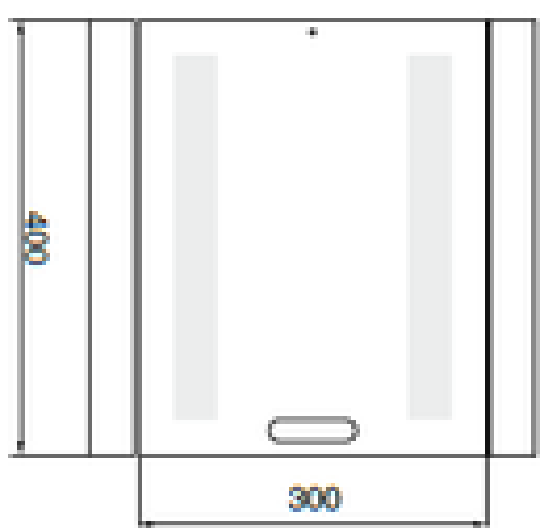
Version
WIRELESS



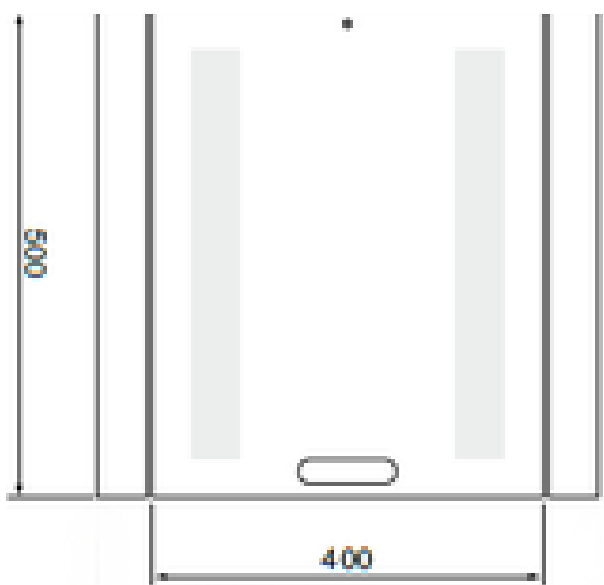
Version
WIRED



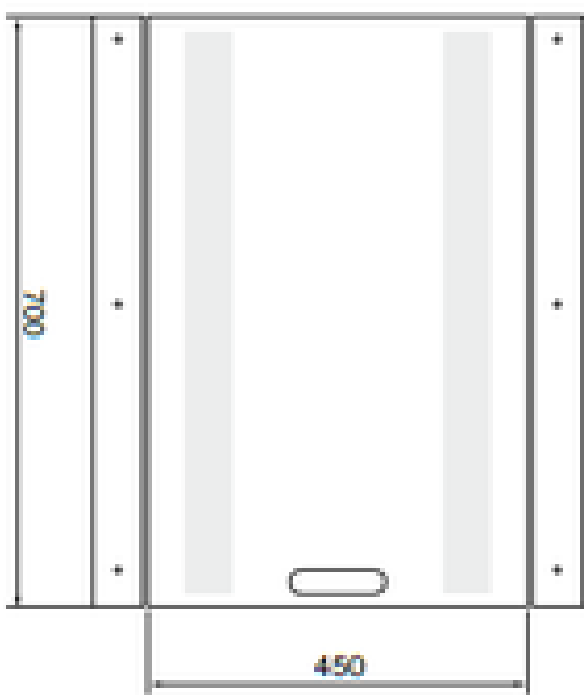
PMQ
H= 58 mm W=14 kg



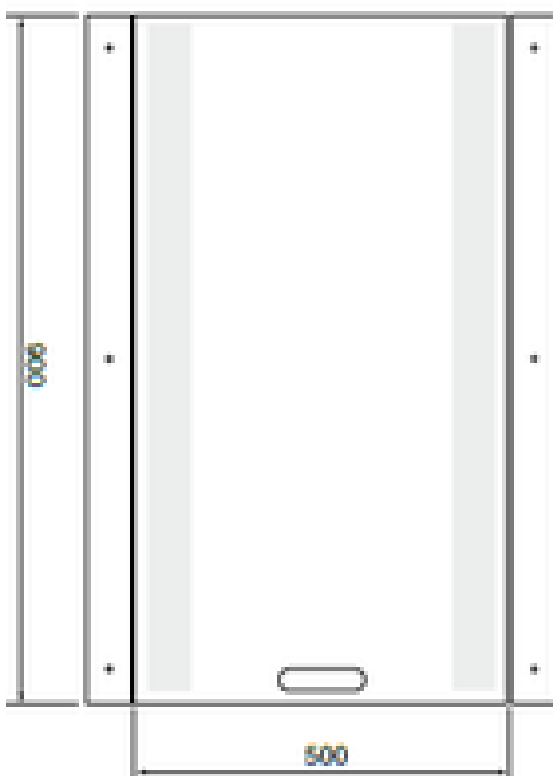
PMR
H= 58 mm W=18 kg



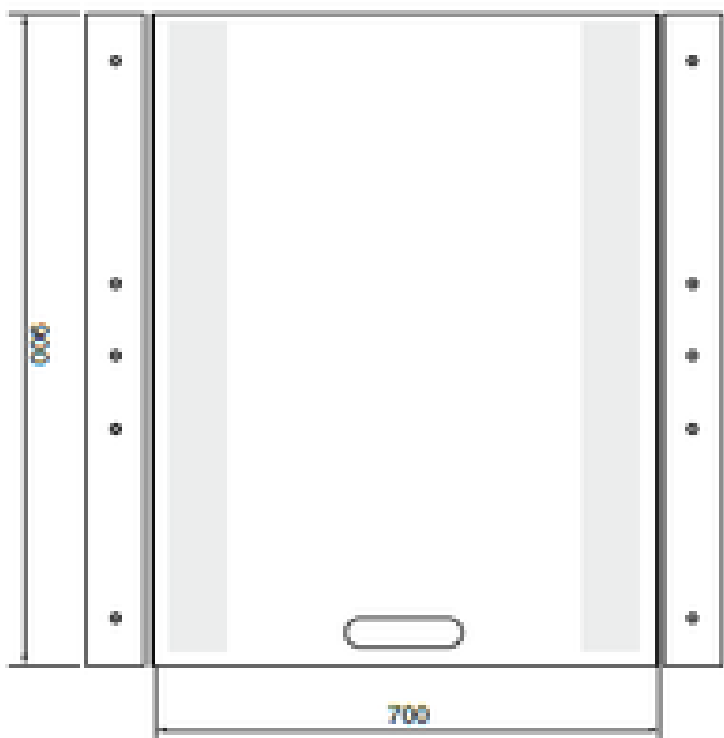
PMS
H= 58 mm W=26 kg



PMT
H= 58 mm W=41 kg



PMU
H= 75 mm W=70 kg



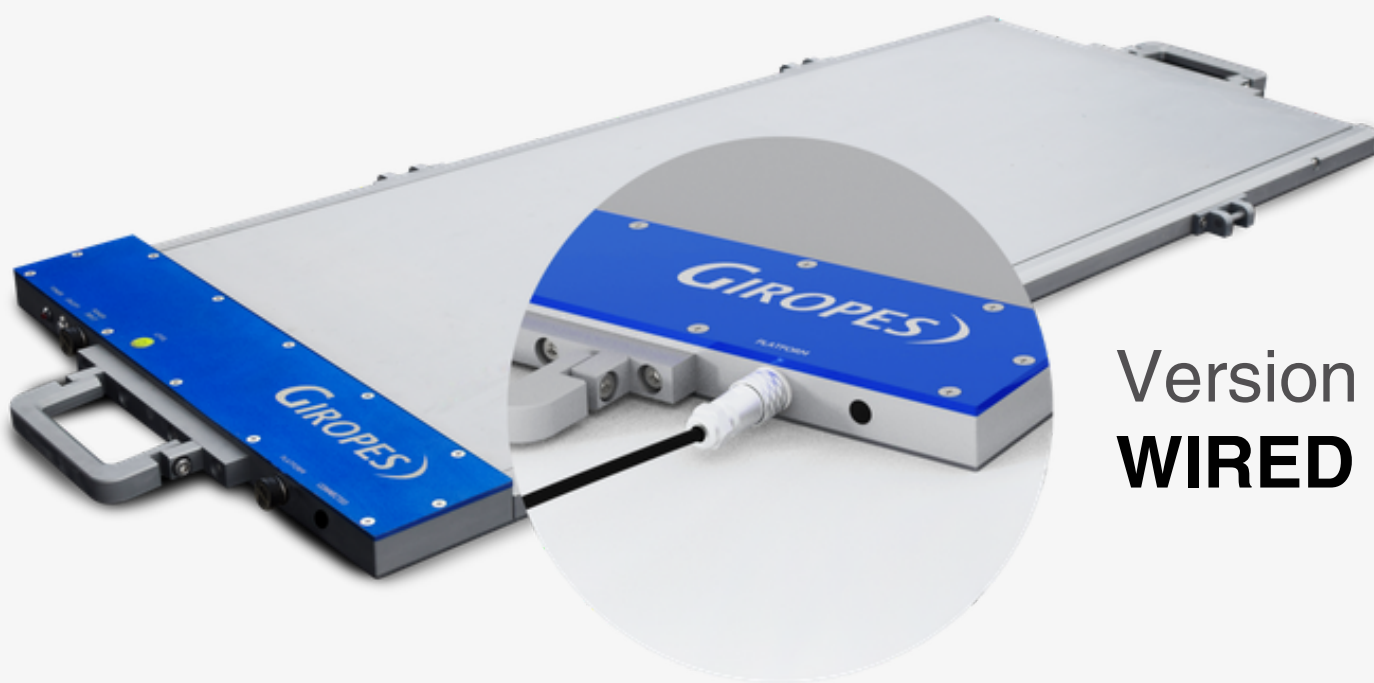
	Wireless version	Wired version
Stainless steel load cells	✓	✓
Robust and durable aluminum structure	✓	✓
IP68 protection for industrial environments	✓	✓
Bubble level	✓	✓
Communication between display and platform	Wireless	Wired
Up to 100 h of battery autonomy	✓	-
10 m cable for stable installation	-	✓
Integrated wheels for transporting the platform	✓	✓
Ergonomic handles for transport	✓	✓
Approved versions for traffic operations	✓	✓

BPR Series

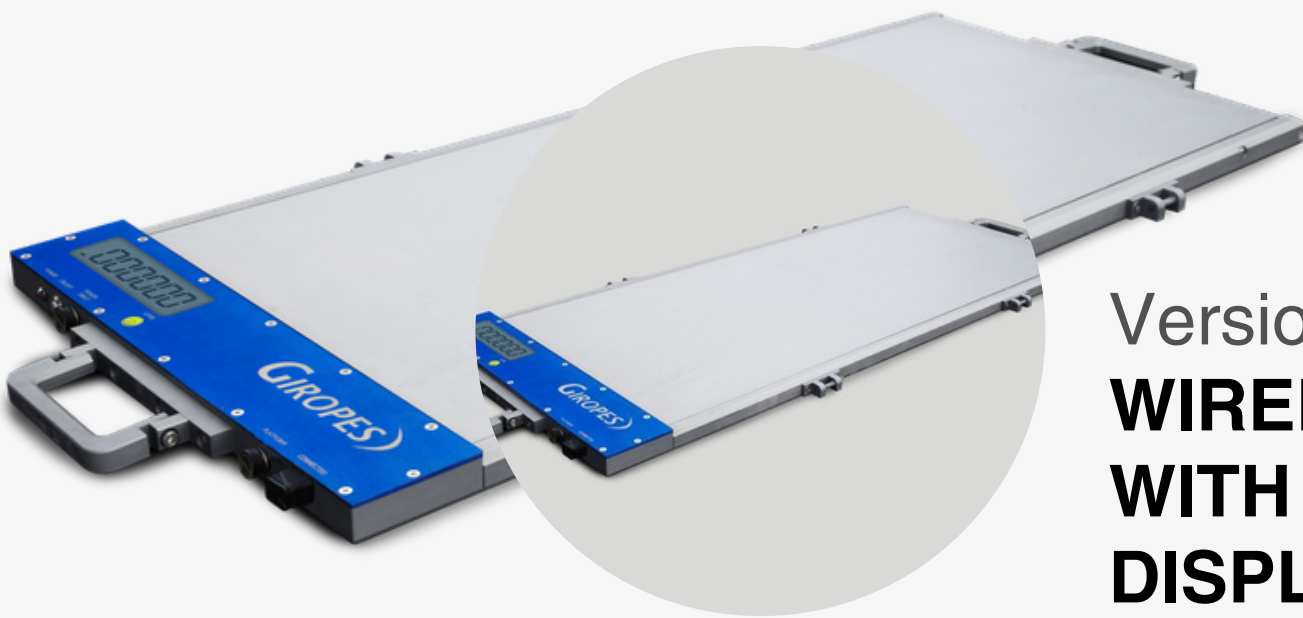
Ultra-low profile,
high efficiency



Version
WIRELESS



Version
WIRED

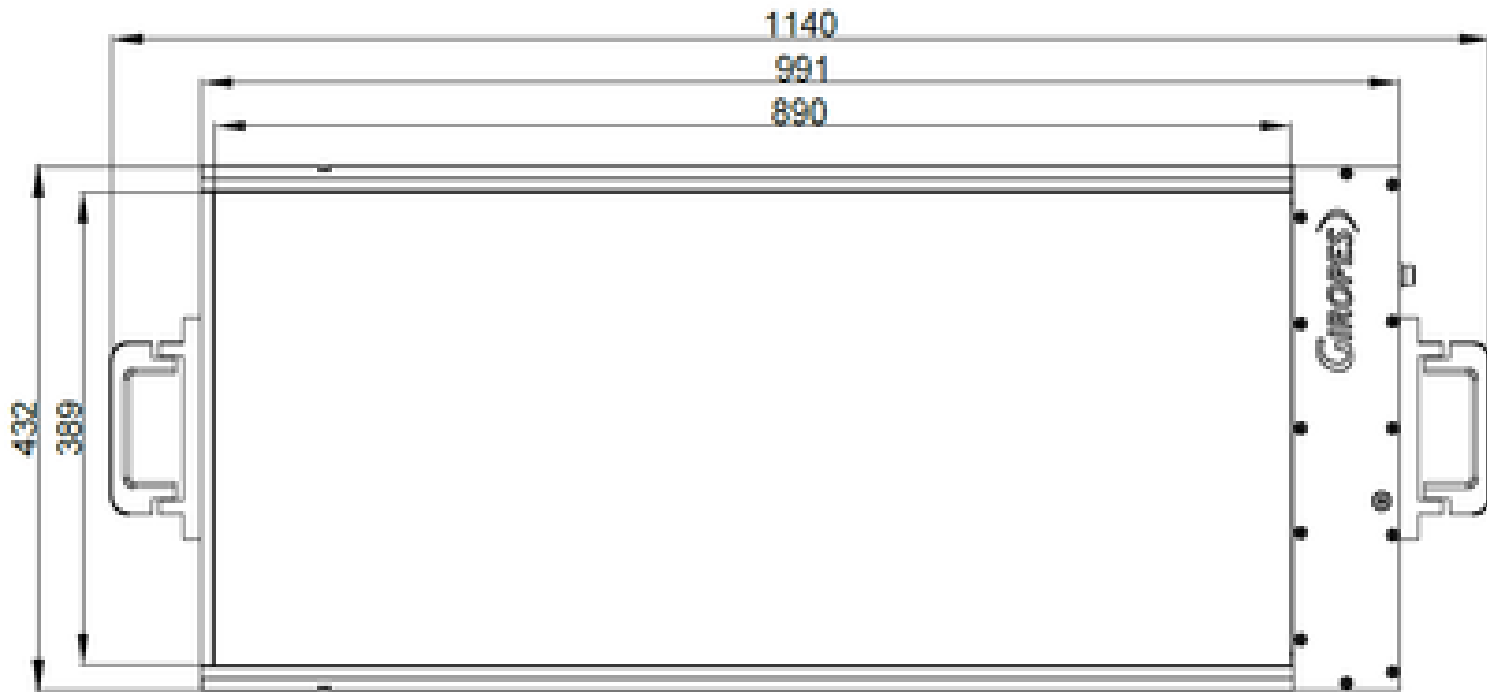


Version
WIRELESS
WITH
DISPLAY

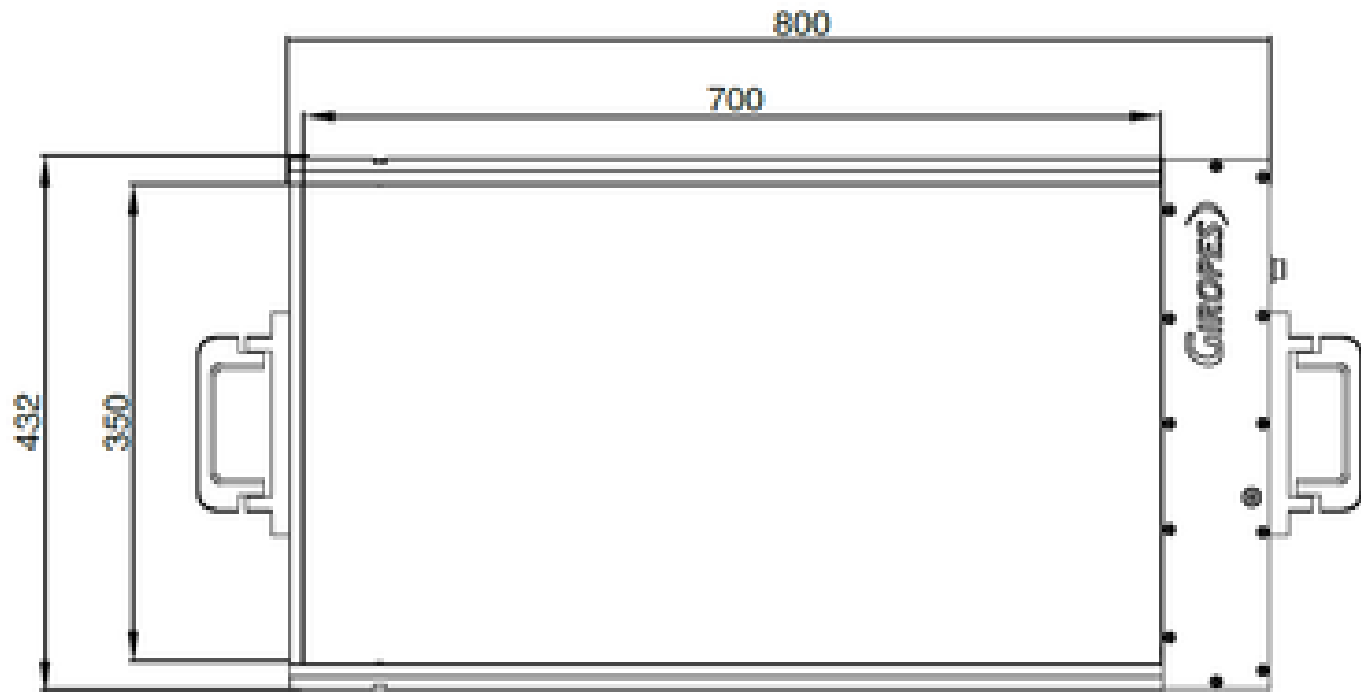


BPRG
in action

890 x 389 mm
H= 19.5 mm W= 28 kg



700 x 350 mm
H= 19.5 mm W= 20 kg



	Wireless version	Wired version
Low-profile design for easy vehicle access	✓	✓
Quick positioning and easy handling	✓	✓
Lightweight and robust aluminum structure	✓	✓
IP68 protection for demanding industrial use	✓	✓
Communication between display and platform	Wireless	Wired
Integrated display in the platform (BPRGW/S version)	✓	-
Stable wired communication	-	✓
Up to 100 h of battery autonomy	✓	-
Approved versions for traffic operations	✓	✓

GI620 SERIES

Suitcase-type portable indicators for axle scales and wheel load scale



Gi620
in action

GI620 LCD

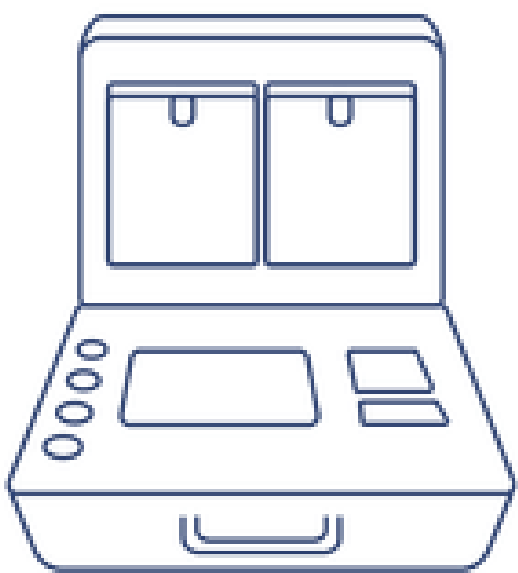
Robust operation for daily use

GI620 T8

Advanced control with touch screen

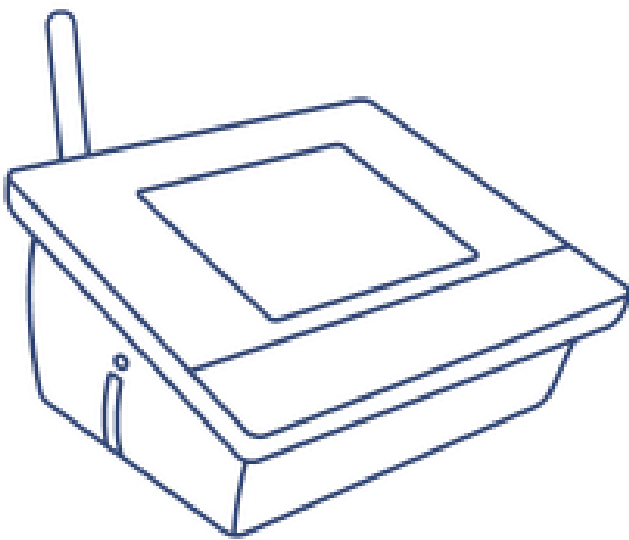
GI620 COMPACT

Desktop weighing indicator



Dimensions
(Width x Length x Height)

Suitcase version:
450 x 425 x 160 mm



Dimensions
(Width x Length x Height)

Desktop version:
237 x 201 x 124 mm

Functions

Calculation of weight per wheel, per axle, and total vehicle weight.

Operating modes

Static weighing and dynamic weighing according to application.

Connectivity

Version with cable (10 m), wireless (25 m), RS232, WIFI or USB.

Printing

Integrated thermal printer, configurable tickets, weighing lists, and stored totals.

Control, printing and management of weighing

Indicator functions

Control and display

- » Zero control on all platforms
- » Weight per platform and per axle
- » Total display (up to 4 platforms)
- » Total weight of vehicle or set

Analysis and recording

- » Calculation and printing of center of gravity
- » Display in coordinates or graph
- » List of heavy vehicles
- » List of heavy totals

Configuration and operation

- » Date and time
- » Configurable printing
- » Ticket reprinting

Ticket printing

Configuration

- » Configurable header (up to 4 lines)
- » Customizable printing modes

Included data

- » Weight per platform and total vehicle weight
- » Number of weighings, date and time

Advanced functions (wheel load scale)

- » Calculation of center of gravity coordinates
- » Graphical representation of load distribution

Listings

- » Heavy vehicles
- » Accumulated totals



Gimanager

Configuration and Management of the weighing system

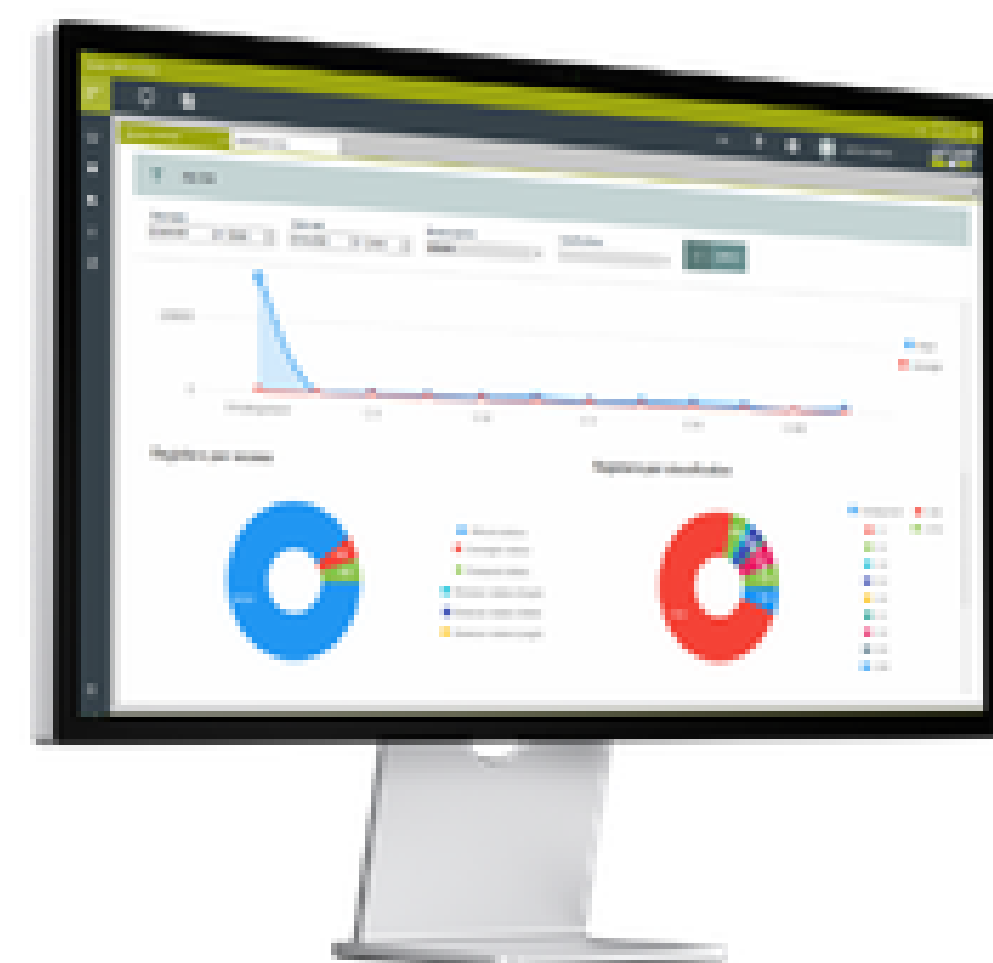
(included with the viewer)

- » Indicator configuration (metrology, Calibration, communications and regional settings)
- » Automatic detection of equipment and Management of Firmware
- » Backup and restoration of configurations
- » Real-time weight display and system status

Gesdyn

Management of Weigh in Motion (WIM) on the road

- » Control of entries/exits and vehicle identification
- » Automatic and historical recording of weighings and events
- » Query, filtering and export of data
- » Real-time monitoring and centralized Management of equipment
- » Reports, activity analysis and decision-making support
- » Integration with ERP, access control and process automation



Configurable

Discover all the options of our products

Platforms

BPR

PM

Indicators

GI620 | GI620W

GI620 COMPACT | GI620W COMPACT

GI620 T8

Accessories

BPRG

Individual Platform

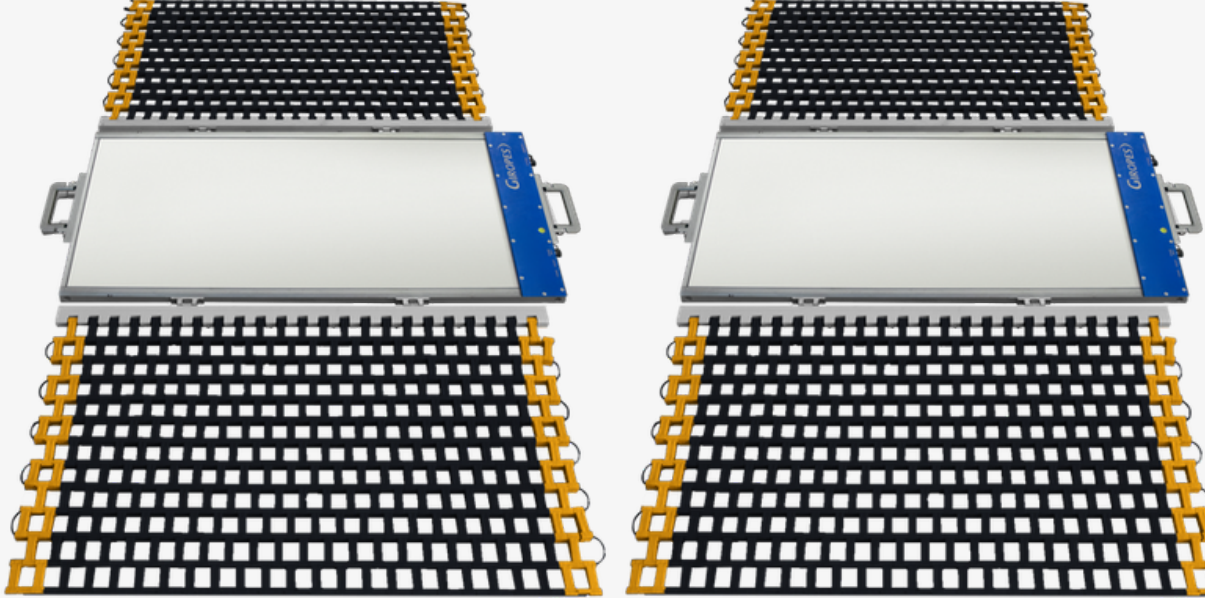


Reference	Overall Dimensions <i>(mm)</i>	Usable surface <i>(mm)</i>	Weight <i>(kg)</i>	Capacity <i>(kg)</i>	Division <i>(kg)</i>	Wireless version	Code
BPRG10000	800 x 432	700 x 350	20	10.000	10	-	190320
BPRG15000				15.000	20	-	190321
BPRG-W10000				10.000	10	✓	190328
BPRG-W15000				15.000	20	✓	190329
BPRG10000	1140 x 432	890 x 389	28	10.000	10	-	190324
BPRG15000				15.000	20	-	190325
BPRG-W10000				10.000	10	✓	190332
BPRG-W15000				15.000	20	✓	190333

Nota 1: Dimensions, weight, capacity and division refer to each individual platform.

BPRG KIT

Includes two Platforms and 3-meter
mats (entry and exit)



Reference	Overall Dimensions <i>(mm)</i>	Usable surface <i>(mm)</i>	Weight <i>(kg)</i>	Capacity <i>(kg)</i>	Division <i>(kg)</i>	Wireless version	Mats	Code
KIT BPRG10000	800 x 432	700 x 350	20	10.000	10	-	✓	190297
KIT BPRG15000				15.000	20	-	✓	190298
KIT BPRG-W10000				10.000	10	✓	✓	190299
KIT BPRG-W15000				15.000	20	✓	✓	190300
KIT BPRG10000	1140x 432	890 x 389	28	10.000	10	-	✓	190301
KIT BPRG15000				15.000	20	-	✓	190302
KIT BPRG-W10000				10.000	10	✓	✓	190303
KIT BPRG-W15000				15.000	20	✓	✓	190304

Nota 1: Dimensions, weight, capacity and division refer to each individual platform.
Note 2: Each kit includes two platforms and 3 m entry/exit mats.
Note 3: Verified kits require a GI620 indicator and alibi memory if used with PC software.

BPRGW/S

Individual Platform with Display

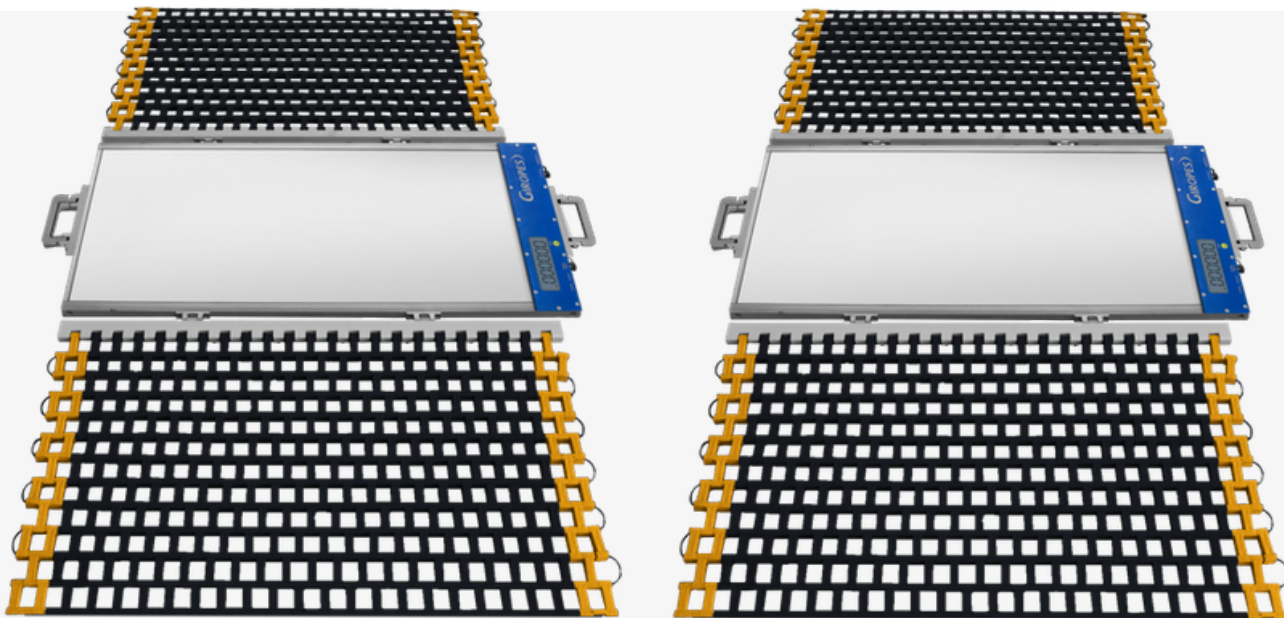


Reference	Overall Dimensions (mm)	Usable surface (mm)	Weight (kg)	Capacity (kg)	Division (kg)	Wireless version	Display	Code
BPRGWS-W700	800 x 432	700 x 350	24	10.000	10	✓	✓	190366
BPRGWS-W700				15.000	20	✓	✓	190367
BPRGWS-W 890	1140 x 432	890 x 390	27	10.000	10	✓	✓	190370
BPRGWS-W 890				15.000	20	✓	✓	190371

Nota 1: Dimensions, weight, capacity and division refer to each individual platform.

BPRGW/S KIT

Includes two Platforms with display and 3-meter mats (entry and exit)



Reference	Overall Dimensions (mm)	Usable surface (mm)	Weight (kg)	Capacity (kg)	Division (kg)	Wireless version	Display	Code
KIT BPRGW-S700-10	800 x 432	700 x 350	24	10.000	5	✓	✓	190374
KIT BPRGW-S15000				15.000	5	✓	✓	190375
KIT BPRGW-S10000	1140 x 432	890 x 389	27	10.000	5	✓	✓	190376
KIT BPRGW-S15000				15.000	5	✓	✓	190377

Nota 1: Dimensions, weight, capacity and division refer to each individual platform.
Note 2: Each kit includes two platforms and 3 m entry/exit mats.
Note 3: Verified kits require a GI620 indicator and alibi memory if used with PC software.

BPRC/F

Individual Platform

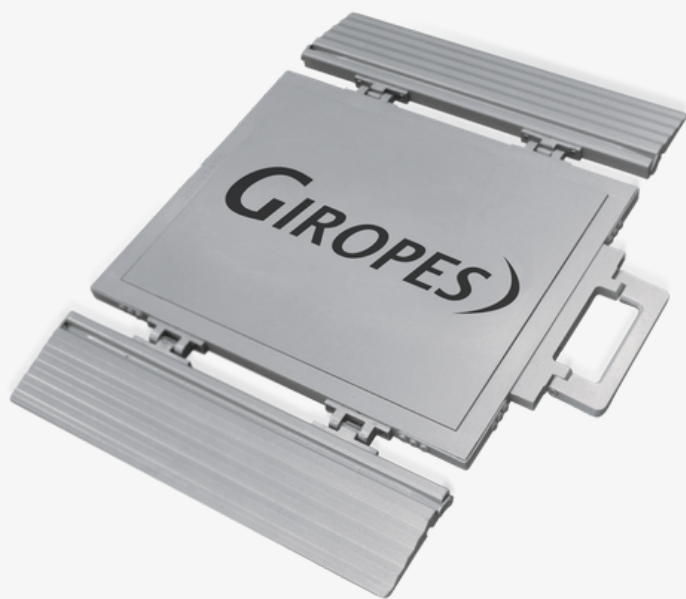


Reference	Overall Dimensions (mm)	Usable surface (mm)	Weight (kg)	Capacity (kg)	Division (kg)	Code
BPR10000C	1010 x 470	800 x 350	23	10.000	5	190006
BPR15000C				15.000	5	190009
BPR10000F	1092 x 620	900 x 500	38	10.000	5	190008
BPR15000F				15.000	5	190011

Nota 1: Dimensions, weight, capacity and division refer to each individual platform.

BPRE

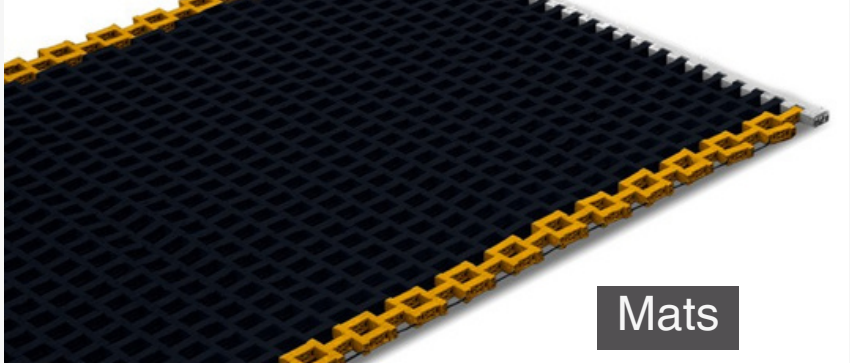
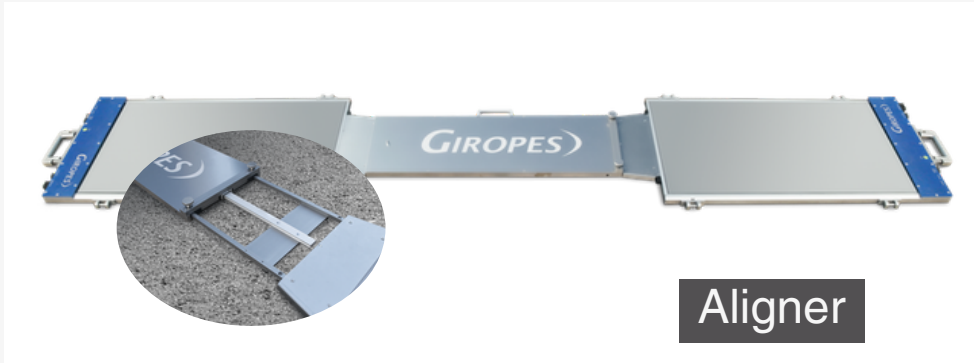
Individual Platform



Reference	Overall Dimensions (mm)	Usable surface (mm)	Weight (kg)	Capacity (kg)	Division (kg)	Code
BPR2000E	475 x 584	402 x 332	12	2.000	1	190084
BPR5000E				5.000	2	190085

Nota 1: Dimensions, weight, capacity and division refer to each individual platform.

Accessories



Code	Description
190074 190071	BPRC/F mat set - 500 mm (2 units)
190073 190072	BPRC/F mat set – 3 m (2 units)
190344	BPRG mat set - 3 m (3 m entry and exit set)
190005	Frame for embedding Platforms BPRF (set of 2 units)
190313	Cable gland accessory for BPRG (set of 2 units)
190348	Aluminum case for two BPRG
190319	BPRG alignment frame set
190351	8.4 V li-ion replacement charger for BPRG/PM series wireless Platforms

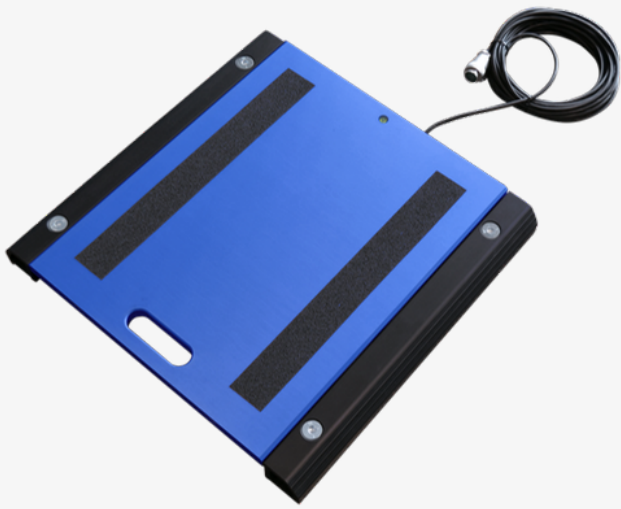
Verification and certificates

Wheel weighing CE verification (per platform)	-
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Note 1: See the Homologation section on page 17 for more information on use in legal metrology and commercial transactions.

PM

Single platforms from the PM range with cable

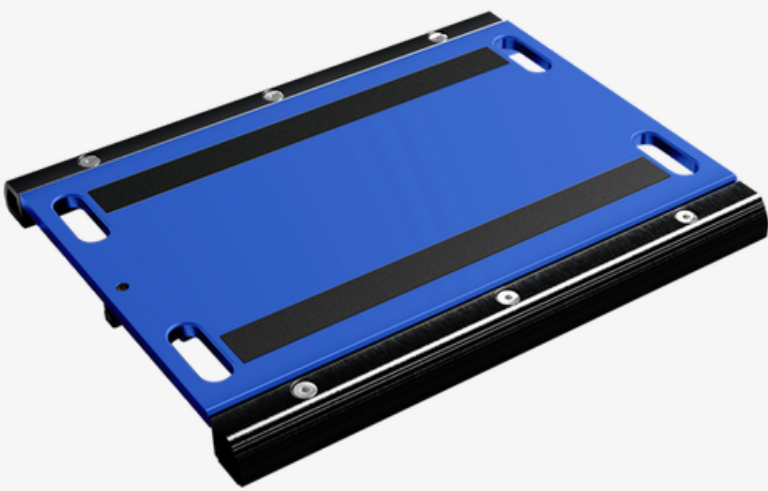


Reference	Dimensions (mm)	Weight (kg)	Capacity (kg)	Division (kg)	Code Stainless steel
PMQ0.6	400 x 300	14	600	0,1	190134
PMQ1.5			1.500	0,2	190135
PMQ3			3.000	0,5	190136
PMQ6			6.000	1	190137
PMQ10			10.000	2	190138
PMR1.5	500 x 400	18	1.500	0,2	190041
PMR3			3.000	0,5	190047
PMR6			6.000	1	190050
PMR10			10.000	2	190043
PMR15			15.000	2	190046
PMS6	700 x 450	26	6.000	1	190057
PMS10			10.000	2	190052
PMS15			15.000	2	190055
PMT6	900 x 500	41	6.000	1	190067
PMT10			10.000	2	190060
PMT15			15.000	2	190062
PMT20			20.000	2	190064
PMU10	900 x 700	70	10.000	2	190139
PMU15			15.000	2	190140
PMU20			20.000	2	190141
PMU25			25.000	2	190142

Nota 1: Dimensions, weight, capacity and division refer to each individual platform.

PM

Single wireless platforms from the PM range



Reference	Dimensions (mm)	Weight (kg)	Capacity (kg)	Division (kg)	Code Stainless steel
PMQ0.6-W	400 x 300	14	600	0,1	190213
PMQ1.5-W			1.500	0,2	190215
PMQ3-W			3.000	0,5	190219
PMQ6-W			6.000	1	190221
PMQ10-W			10.000	2	190217
PMR1.5-W	500 x 400	18	1.500	0,2	190233
PMR3-W			3.000	0,5	190239
PMR6-W			6.000	1	190241
PMR10-W			10.000	2	190235
PMR15-W			15.000	2	190237
PMS6-W	700 x 450	26	6.000	1	190257
PMS10-W			10.000	2	190253
PMS15-W			15.000	2	190255
PMT6-W	900 x 500	41	6.000	1	190271
PMT10-W			10.000	2	190265
PMT15-W			15.000	2	190267
PMT20-W			20.000	2	190269
PMU10-W	900 x 700	70	10.000	5	190281
PMU15-W			15.000	5	190283
PMU20-W			20.000	10	190285
PMU25-W			25.000	10	190287

Nota 1: Dimensions, weight, capacity and division refer to each individual platform.

Accessories

For the PM range



Code	Description
190349	Set of 2 frames for embedding PMQ 400 x 300 platform
190002	Set of 2 frames for embedding PMR 500 x 400 platform
190003	Set of 2 frames for embedding PMS 700 x 450 platform
190004	Set of 2 frames for embedding PMT 900 x 500 platform
190132	Set of 2 frames for embedding PMU 900 x 700 platform
190350	Set of 2 covers to protect PMQ 400 x 300 platforms
190048	Set of 2 covers to protect PMR 500 x 400 platforms
190056	Set of 2 covers to protect PMS 700 x 450 platforms
190066	Set of 2 covers to protect PMT 900 x 500 platforms
190131	Set of 2 covers to protect PMU 900 x 700 platforms
190317	Set of 1 m aluminum modular mat for a PMS (entry and exit set of 700 mm)
190318	Set of 1 m aluminum modular mat for a PMT or PMU (entry and exit set of 900 mm)
190211	Set of 3 m aluminum modular mat for a PMS (entry and exit set of 700 mm)
190212	Set of 3 m aluminum modular mat for a PMT or PMU (entry and exit set of 900 mm)
190351	Replacement li-ion 8.4 V charger for wireless platforms BPRG/PM series

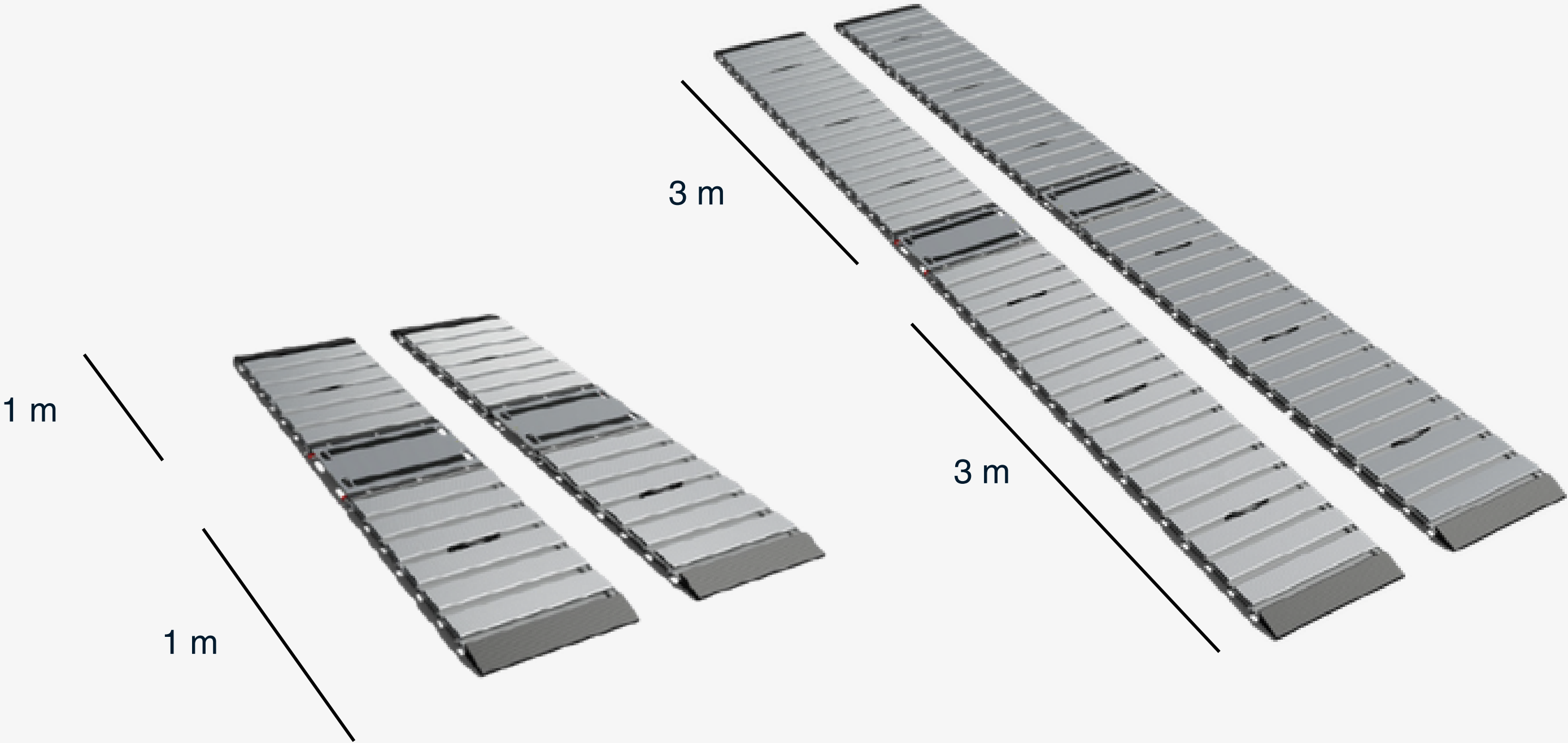
Verification and certificates

-	Verification Wheel load scale CE
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Note 1: See the Homologation section on page 17 for more information on use in legal metrology and commercial transactions.

Modular mats

Of 1 or 3 meters with rubber ramp



GI620

Suitcase-type indicator



Reference	Type	Wireless version	Long battery	USB	Firmware	Code
GI620 LCD	Case	-	-	-	Axle scales or Wheel load scale	210268
GI620 LCD + USB		-	-	✓	Axle scales or Wheel load scale	210268-08
GI620W LCD		✓	-	-	Axle scales or Wheel load scale	210268-05
GI620W LCD + USB		✓	-	✓	Axle scales or Wheel load scale	210268-09
GI620 LCD BAT L		-	✓	-	Axle scales or Wheel load scale	210349
GI620 LCD BAT L + USB		-	✓	✓	Axle scales or Wheel load scale	210349-08
GI620W BAT L		✓	✓	-	Axle scales or Wheel load scale	210349-05
GI620W BAT L + USB		✓	✓	✓	Axle scales or Wheel load scale	210349-09

GI620 Compact

Desktop-type indicator



Reference	Type	Connectivity	Ethernet	USB	Firmware	Code
GI620 Compact	Desktop	RS232	-	-	Axle scales or Wheel load scale	210355
GI620 Compact		RS232	✓	✓	Axle scales or Wheel load scale	210355-1
GI620 Compact		RS232	-	-	Axle scales or Wheel load scale	210355-05
GI620 Compact		RS232	✓	✓	Axle scales or Wheel load scale	230355-15

GI620 T8

Suitcase-type indicator



Reference	Type	Wireless version	WIFI	USB	Firmware	Code
GI620 T8	Case	-	-	-	Axle weighing	210404-05
GI620 T8		-	✓	✓	Axle weighing	210406-05
GI620 T8 WiFi		-	-	-	Axle weighing	210405-05
GI620 T8 Bluetooth		✓	✓	✓	Axle weighing	210409-05
GI620 T8 Bluetooth + USB		✓	✓	✓	Axle weighing	210410-05

Firmware	Code
Firmware for Giropes GI620 Indicator – Wheel Weighing	330006
Firmware for Giropes GI620 Indicator – Axle Weighing	330007

Approval

Wheel load scale and Axle scales platforms are factory calibrated to provide accuracy from the very first moment. This allows for immediate start-up, ensuring reliable measurements without the need for complex field adjustments.

The system integrates with GI620 indicators and Gesdyn software, facilitating the visualization, Management, and traceability of data at all times. A solution designed to work in a connected way and adapt to each operation.

Before use, an initial Calibration is performed using standard weights to ensure maximum accuracy. In addition, the system can undergo an initial Verification that ensures compliance with regulatory requirements in regulated applications.

With use, the Platforms must undergo periodic verifications to maintain the reliability of the measurements. The frequency will depend on the regulations and the working environment, always ensuring consistent performance and compliance with the required standards.



M Features

in legal metrology version

For a vehicle weighing system to be valid for legal metrology, it is essential that the **weighing operation is carried out in a single operation**, without repositioning the vehicle.

In **wheel weighing systems**, with one platform per wheel, the vehicle is weighed simultaneously, complying with regulatory requirements. In this case, the verification divisions (CE-M) apply to each individual platform and the total weight is obtained as the sum of all of them, maintaining the metrological accuracy of each platform.

- » **Wheel weighing configuration (1 platform per wheel):**
- » **Suitable for CE marking and supplementary metrological marking (M).**

On the other hand, in **axle weighing systems**, the vehicle must be weighed in several successive operations, therefore **it is not suitable for commercial transactions** and is limited to internal control applications.



FlyBy Success story

Weight control in aircraft

Flight school with 19 aircraft and over 200 students

Challenge

- » Precise weight control
- » Verification of the center of gravity
- » Regulatory compliance (MTOW)

Solution

- » 3 Platforms PMR
- » Measurement per wheel
- » Easy transport and use on the runway

Result

- » Fast control of the entire fleet
- » Improvement of operational safety
- » Regulatory compliance ensured



giropes

**Shall we talk?
Contact us**

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