



weigh in motion solutions

PORTABLE SOLUTION

[low speed weigh
IN MOTION SOLUTION]



ROADS TOLL
SYSTEM

0111001101011
1100010111100
0111001101101

TECHNOLOGY &
SOFTWARE



WEIGH IN MOTION
DETECTION



PRECISION

www.girwim.com

PORTABLE SOLUTION

portable weighing system
in motion

The Giwim solution is easy to use, with software trained for the control and sanction of infringements facilitated by the interpretation of the weighing data and the vehicle.





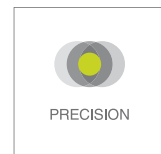
PORTABLE WEIGHING IN MOTION SYSTEM

Portable station to weigh and control overload infringements by vehicles on road. Weigh in motion solution at low speed. Certified (OIML R1 34) by Delta.

Giwin offers two types of portable solution with various components. Two system configurations for the weighing of vehicles with two wheel weigh platforms BPR connected to an indicator and managed by the software for the dynamic weighing GesDyn LS.

The easy installation of the portable station on road and the remote weighing system of the vehicles and wheels are thought to avoid accident risks.

Designed with a complete system to obtain a portable station to control and apply the sanction for overload infringements by vehicles.



PORTABLE SOLUTION

SOLUTION A

WEIGHING PLATFORMS BPRC / BPRF

Fine platforms, only 20 mm thick.
Made in aluminum structure and IP66 protection.
Easy installation. 10 minutes.



CASE SYSTEM GI511ANST4R/4U BUILT-IN PRINTER

THE MOST ECONOMICAL OPTION
indicator with built-in printer

PLUS SOLUTION

WEIGHING PLATFORMS BPRC / BPRF



PLUS CASE SYSTEM

A complete option so that the portable station can both weigh and control infringements.

Made by a case with two platforms and its related mats, a second case with indicator + junction box + Bluetooth printer + pc with GESDYN**DESKTOP** software for the automation and weighing management in systems of low speed.

HIGH PRECISION IN THE WEIGHT DETECTION OF VEHICLES IN MOTION

CERTIFICATION OIML R 134

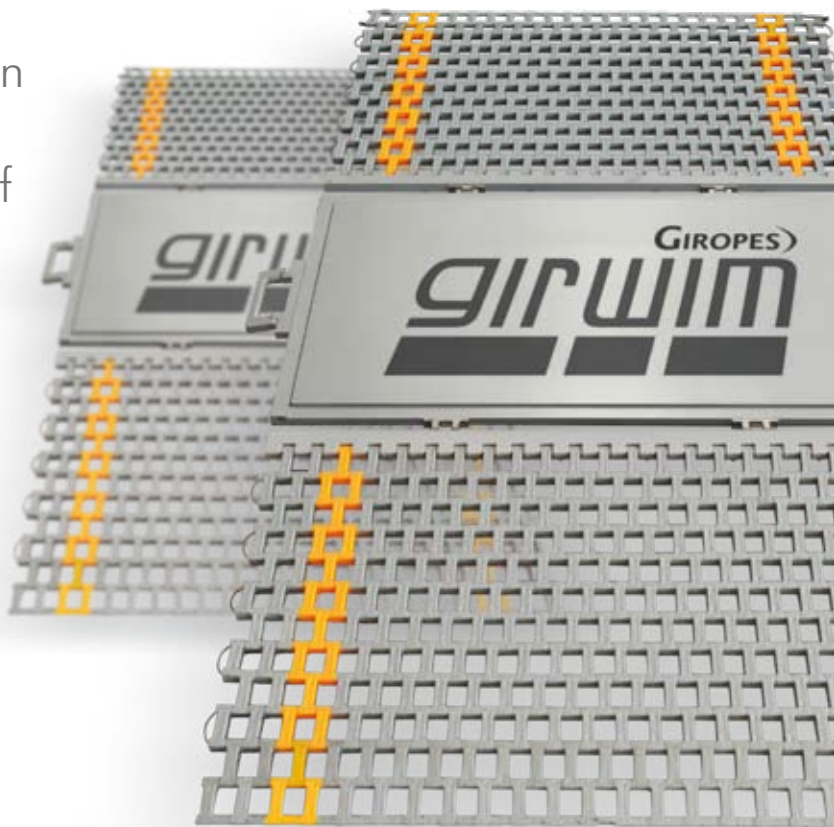
	DYNAMIC WEIGHT (LSWIM)	STATIC WEIGHING
CERTIFIED TECHNICAL SPECIFICATIONS	Certification OIML R134	Certification CE
Maximum capacity (per axle) Máx1 + Máx2=Máx	30.000kg	30.000kg
Maximum security load (per axle) Máx1 + Máx 2	100%	100%
Speed of weighing in motion LSWIM	5 km/h	-
Accuracy	±3%, 95% Reliability at 5km/h on flat area (dynamic)	±1% (static)
Interval "e"	100kg	50kg
Material of the platforms	extra flat made of cast aluminum alloy	
Cells	IP66 protection	
Weight of every platform	38 kg (BPRF) or 23 kg (BPRC)	
Dimensions (without taking into account the mat)	882x500 mm (BPRF) or 800x350 mm (BPRC)	

* excellent accuracy following the recommendation (flat and well-graded surface to carry loads of at least or of 100 kg/cm² (usual value of concrete 4.25)

BPRC BPRF

SET OF 2 PLATFORMS

low-profile wheel weighing platforms. It allows the connection to a weighing digital indicator to configure the weighing systems of the vehicles in static and/or dynamic weighing.



IT INCLUDES

- Length of the cable 15m
- Case to storage and transport the platforms
- A mat 3 m in length at the front part and the back part of each platform.

MAIN FEATURES

- Aluminum frame
- IP66 protection
- Installation: on-ground or in-built (set of two platforms to weigh an axle).
- Maximum acceptable overload 120%
- Operating temperature: -10 °C + 50 °C
- Cable length: 15 metres.
- Each platform includes a set of two access ramps in foldable plastic (mat types), three metre long.
- Each platform includes a transport case to facilitate use and handling.
- Easy installation: a set of two platforms with a mat to level. The indicator can be assembled in less than 10 minutes (just one person needed).

Dimensions

MODEL	width	length
BPRC	350	800
BPRF	500	882

BPRC

Platt Ref	Capacity per platform (kg)	Readout (kg)	Accessories included
BPR10000CM_EST6	10000	50	MAT 3 m (front-back) with transport and storage case
BPR15000CM_EST6	15000	50	MAT 3 m (front-back) with transport and storage case

BPRF

Platt Ref	Capacity per platform (kg)	Readout (kg)	Accessories included
BPR10000FM_EST6	10000	50	MAT 3 m (front-back) with transport and storage case
BPR15000FM_EST6	15000	50	MAT 3 m (front-back) with transport and storage case

For all the vehicles type-approved for road circulation.
CE certificate of metrological approval in static weighing. Class III.

CASE SYSTEM

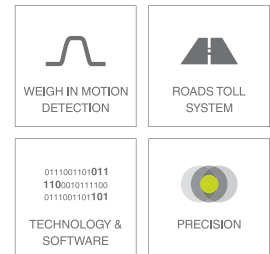
INDICATOR WITH IN-BUILT
PRINTER _GI511ANST4R | 4U

INDICATOR WITH IN-BUILT PRINTER GI511ANST4R/4U

THE MOST
ECONOMIC OPTION
It allows a weighing
control station in motion
and infringement
procedures for overload
of vehicles

CASE SYSTEM

INDICATOR WITH IN-BUILT PRINTER _GI511ANST4R/4U



MAIN FEATURES

LCD display 4 lines

The weighing indicator includes an LCD display with four lines and 8 LED status indicators.

Alphanumeric keyboard

Alphanumeric membrane keyboard with 36 keys. Optional: standard PC connection of keyboard.

Password

Login protection for configuration tool functions.

Type of Weights

It is possible to store a maximum of 800 weights with acoustic warning when the memory is nearly full.

Type of Weights

Weight of axles in static and motion mode.

Possible computer management/PC

Connecting via Com1

Optional connection via Ethernet

In-built printer with format Tickets

It is possible to modify and select the printing fields related to the tickets.

It is possible to program each type of line to up to 20 lines.

Excitation to battery

The terminal includes an internal battery which allows its operations independent of a mains source. It also has a power supply input of 12v.

Automatic power off programmable

USB key and sending to PC

It is possible to store the information in the USB key up to a maximum of 800 weights.

Dimensions (mm)	390x490x160
Weight (kg)	8

STATIC WEIGHT (M.L.)

Suitable for axle weighing. Simultaneous visualization of the weight in each connected platforms and their sum. Certification EC-M.

STATIC / IN MOTION WEIGHT (F.M.L.)

It includes a program for advanced applications of control, Channel 1 and 2. Suitable for axle weighing. It is possible a simultaneous visualization of the weight of each wheel and the weight of the axle. EC-M type approval.

Channel 3 and 4 for the control of lorry load in traffic with the weighing in motion system in dynamic. Certification OIML R134. See the internal norm of each country.

CASE SYSTEM PLUS

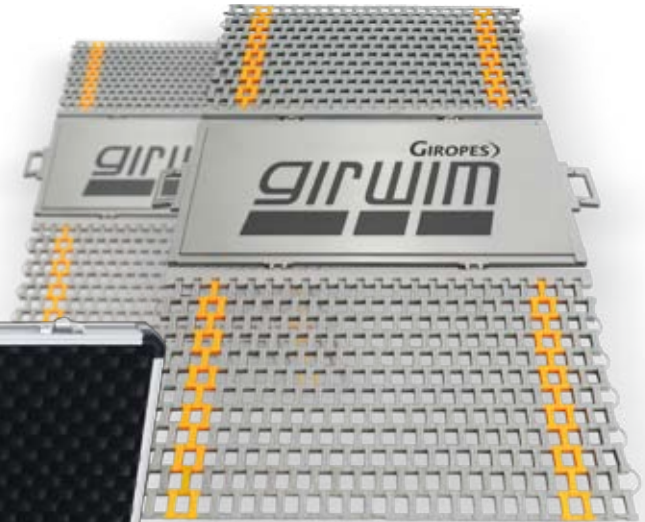
THE MOST
COMPLETE OPTION

It allows a weighing control station
in motion and infringement
procedures for
overload of vehicles

**CASE
SYSTEM PLUS**
CASE WITH INDICATOR
CONNECTION BOX
PRINTER BLUETOOTH
PC WITH GESDYN
SOFTWARE

+

**PLATFORM
CASE**
PLATFORM CASE
CASE WITH TWO
PLATFORMS
AND THEIR
CORRESPONDING MATS



IN-BUILT SOFTWARE
GESDYN**DESKTOP**

STATIC WEIGHT (M.L.)

Apto como pesa ejes. Visualización simultánea del peso de cada plataforma conectada y de la suma. Homologación CE-M.

STATIC / IN MOTION WEIGHT (F.M.L.)

It includes a program for advanced applications of control, Channel 1 and 2. Suitable for axle weighing. It is possible a simultaneous visualization of the weight of each wheel and the weight of the axle. EC-M type approval.

Channel 3 and 4 for the control of lorry load in traffic with the weighing in motion system in dynamic. Certification OIML R134. See the internal norm of each country.

CASE SYSTEM PLUS



IN-BUILT SOFTWARE
GESDYNDESKTOP

MAIN FEATURES

LCD display 4 lines

The weighing indicator GI511 ANST includes an LCD display with four lines and 8 LED status indicators.

Alphanumeric keyboard

Alphanumeric membrane keyboard with 36 keys.

Password

It is possible to protect all the programming function using a password.

Data and weight storage

GESDYNDESKTOP Software.

Type of Weights

Weight of axles in static and motion mode.

Possible computer management/PC

Connecting via Com 1, series.

Optional connection via Ethernet.

Tickets Format

It is possible to modify and select the printing fields related to the tickets.

Customization via software GESDYNDESKTOP.

Excitation to battery

The terminal includes an internal battery which allows its operations independent of a mains source.

Automatic power off programmable

dimensions (mm)	850x540x170
weight (kg)	11



CONNECTION BOX FOR PLATFORMS

Up to 4 channel, 2 channels to connect each platform IN STATIC MODE and 2 channel to connect each platform in MOTION MODE.

PC NOTEBOOK

SPECIFICATIONS

- Core Processor i5 421 OU/ 1.7 Ghz
- Windows 7 of 64-bit
- 4 GB RAM
- 500 GB HDD
- DVD SuperMulti
- 15.6" 1366x768 (HD)
- Intel HD Graphics 400
- Dimensions (Width x depth x Height) 37.8 cm x 25.9 cm x 2.53 cm
- Weight 2.19 kg

PRINTER WITH BLUETOOTH CONNECTION TO PC

FEATURES

- Direct Thermal printing of barcodes, text and graphics.
- Tear bar supply easily.
- Large LCD control panel, easy reading.
- Printer alerts on the screen, helping menus
- Protected against hits on concrete, from 1829 m
- IP43 classification with dust and water resistance (IP54 with the soft case)
- Odometer of labels
- Clock in real time
- Print touch via NFC

*(The characteristics of the laptop are indicative and will depend on each case on the stock and the model of the final offer).

GESDYNDESKTOP

is the solution of Giropes Solutions for the automation and weigh management in in-motion systems

GESDYN SOFTWARE

KEY FUNCTIONALITIES

- User and role definition
- Introduction of fiscal data of the company.
- Predefined Ticket format selection and printer assignment.
- Multiple languages.
- Device configuration.
- Management of two types of weight: overload or general basis.
- Cataloguing of vehicles.
- Definition and management of points of control, agent, roads, etc.
- Register of weighing, selectable tickets and flyers.
- Notifications and registrations of actions done by the users.

The solution of complete case allows the customer to use all the functionalities to customize tickets and register devices making the most of investment made on this system.



The system of control with software is introduced of series in the option of the complete case and is optional in the simple version in case of adding PC.

The software offers a complete control of the weighing operations of vehicles. With GesDyn the user can register and process, in an efficient and easy way, the traffic on its scales. It also facilitates to policemen and agents the possibility to have all the relevant information: weighing controls, classification of vehicles, types of sanctions, among others. It includes the possibility to register multiple data referring to the weighing of the vehicle, such as data related with the vehicle or with each axle. The system which uses the classification of vehicles shows real weighing and the weights authorized for axles, their speed and exceeded weight. It allows the visualization of overload and the sanctions which are applied when exceeding the authorized weights.

The user can also register the data related with the driver and his vehicle, data about the load and other infringements done by the vehicle, together with its final cost.

It also includes the management and configuration of different devices or weighing instruments, which can be adapted easily with a simple application.

The application is going to generate a detailed report for every weight, personalized and printable, with all the data related.



Portable traffic lights **LEDS**

CHARACTERISTICS

- Nominal voltage: between 9 and 14 V (electronic on/off , reverse polarity protection and low voltage)
- Power supply: batteries 12v-170Ah (autonomy up to 10 days) (battery not included)
- Light output; máx. 25 W
- Consumption: use per day: 0,8 Ah/ night 0,46 Ah per header
- Light bulbs: halogen 12V/ 10W
- Synchronization cycle: up to 33, 3 min. (unlimited distance between headers)

INCLUDES

- 2 complete heads, including the controller, the folding mast
- 2 battery holder trolleys of aluminum, with rubber wheels.

REGULATIONS

- EN-6100-6-1
- EMV Teil 6-3 / VDE 0832 / RILSA

OBSERVATIONS

- It is used in road construction sites to regulate the alternative traffic correctly.
- Possibility to add heads to the traffic light for crossing points in T or of various streets
- It is made by a pair of traffic lights (2 heads) with integrated control by quartz, in a compact design
- Halogen focus
- It is programmed and monitored by an external command (not included), to adjust parameters, time and synchronize the system.
- Easy handling for its reduced weight (34 kg) and wheels
- Easy to change the battery
- Easy to program
- Red and green focus can be adjusted to a maximum up to 999 seconds each, the total cycle being then of 1998 seconds (33,3 minutes)
- Intensity reduction of lights at night, to save energy.
- Possibility of configuration in manual mode
- When changing the battery, the information is stored in the database.

OPTIONAL
complete
your installation with
GIRWIM optional



camera **IP67**

DESCRIPTION

- IP8361 of VIVOTEK is a network camera of high resolution of 2 megapixels of external surveillance.
- Compression technology H.264 / MPEG-4/ MJPEG, IP8361 offers a wide video coverage.
- With a combination of a lot of specific outdoors characteristics, IP8361 is the camera to choose to be used in facades and hall of entrance of buildings, car parks and petrol stations.

CHARACTERISTICS

- CMOS sensor of 2 megapixels
- 3~9 mm vari focal, auto iris lenses
- Removable filter of IR-cut, day & night function
- Illuminator of IR incorporated, with an efficiency to up to 25 meters
- In real time H.264, MPEG-4 and compression MJPEG (triple codec)
- Weather resistant IP67
- 802.3Af included, compatible with PoE
- Card slot SD/SDH/SDXC included for on-board storage
- Support with cable management for protected installation.

PORTABLE SOLUTION FOR LOW SPEED WEIGH IN MOTION solution A | PLUS

A SOLUTION



* Possibility to acquire the whole set of the A solution or products sold separately.

PLUS SOLUTION



INTEGRATED SOFTWARE
GESDYNDESKTOP

* The images that appear in this document are not contractual and are subject to changes of model.