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.
**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 G1511ANST4R/4U BUILT-IN PRINTER**

THE MOST ECONOMICAL OPTION
indicator with built-in printer

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**PLUS SOLUTION**

**WEIGHING PLATFORMS BPRC / BPRF**

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.

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**HIGH PRECISION IN THE WEIGHT DETECTION OF VEHICLES IN MOTION**

**CERTIFICATION OIML R 134**

<table>
<thead>
<tr>
<th><strong>CERTIFIED TECHNICAL SPECIFICATIONS</strong></th>
<th><strong>DYNAMIC WEIGHT (LSWIM)</strong></th>
<th><strong>STATIC WEIGHING</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum capacity (per axle) Max1 + Max2 = Max</td>
<td>30.000kg</td>
<td>30.000kg</td>
</tr>
<tr>
<td>Maximum security load (per axle) Max1 + Max 2</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Speed of weighing in motion LSWIM</td>
<td>5 km/h</td>
<td>-</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±3%, 95% Reliability at 5km/h on flat area (dynamic)</td>
<td>±1% (static)</td>
</tr>
<tr>
<td>Interval “e”</td>
<td>100kg</td>
<td>50kg</td>
</tr>
<tr>
<td>Material of the platforms</td>
<td>extra flat made of cast aluminum alloy</td>
<td></td>
</tr>
<tr>
<td>Cells</td>
<td>IP66 protection</td>
<td></td>
</tr>
<tr>
<td>Weight of every platform</td>
<td>38 kg (BPRF) or 23 kg (BPRC)</td>
<td></td>
</tr>
<tr>
<td>Dimensions (without taking into account the mat)</td>
<td>882x500 mm (BPRF) or 800x350 mm (BPRC)</td>
<td></td>
</tr>
</tbody>
</table>

* 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).

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<th>Dimensions</th>
<th>MODEL</th>
<th>width</th>
<th>length</th>
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<tr>
<td>BPRC</td>
<td>350</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>BPRF</td>
<td>500</td>
<td>882</td>
<td></td>
</tr>
</tbody>
</table>

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<tr>
<th>Platform Reference</th>
<th>Capacity per platform (kg)</th>
<th>Readout (kg)</th>
<th>Accessories included</th>
</tr>
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<tbody>
<tr>
<td>BPR10000CM_EST6</td>
<td>10000</td>
<td>50</td>
<td>MAT 3 m (front-back) with transport and storage case</td>
</tr>
<tr>
<td>BPR15000CM_EST6</td>
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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**

- **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.

### 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.

### Dimensions (mm) | 390x490x160
---|---
### Weight (kg) | 8
CASE SYSTEM PLUS

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

STATIC WEIGHT (M.L.)
Apto como peso 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.
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

PRINTING 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).
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.

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.
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: max. 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-61000-6-1
- 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 to 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

WEIGHING PLATFORMS
BPRC / BPRF

CASE SYSTEM
GIS11ANST4R|4U

* 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.