

# DINA3

WEIGHING SYSTEM FOR VEHICLES  
a new era of axle weighing

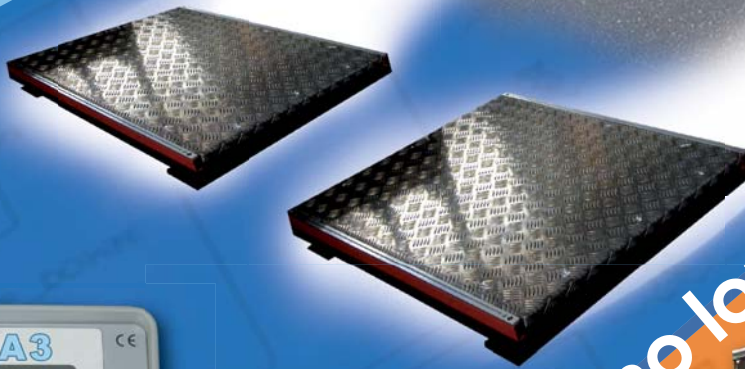


## Features and advantages :

**3** models,  
ways of weighing,  
weighing characteristics

- Easy to install
- Easy to use
- Metrological certification

Dynamic axle weighing



Weighing your vehicle is no longer a problem



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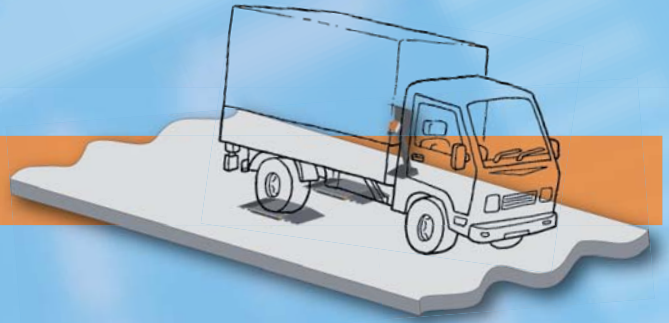
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# Ways of weighing

## Static weighing

available with metrological certification class III

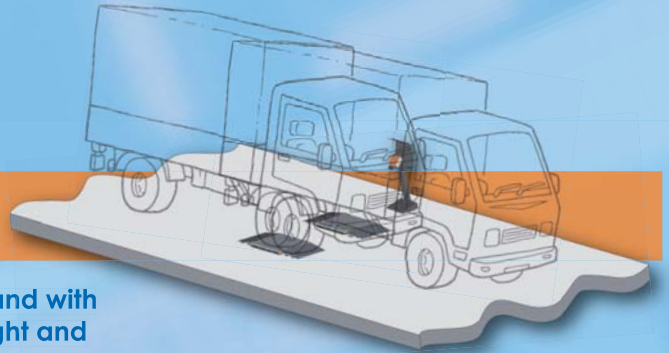
Put each axle on the platforms, stop the vehicle and when the weight is stable, read the weight.



## Dynamic weighing

Weighing in motion

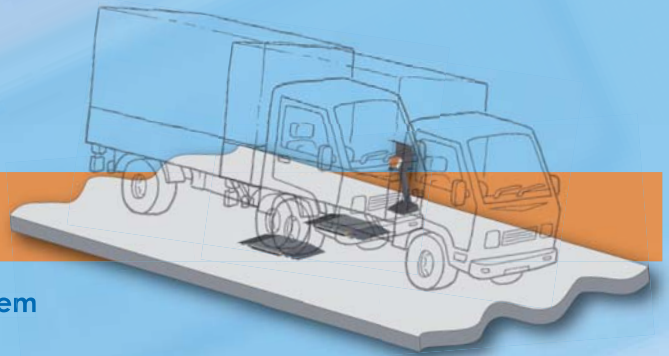
Pass on the platforms with the vehicle without stopping and with constant speed, it automatically reads all the axles weight and calculates the total weight of your vehicle.



## Differential weighing

Weighing in motion

Executing two consecutive dynamic weighings, the system automatically calculates the tare, net and gross weight.



## Performances

- Easy installation with a simple levelling from the top of the platforms.
- Certified load cells for every system.
- Metrological certification class III with EC TYPE APPROVAL for the complete system.
- Monitors passing speeds and advises of overspeeds.
- Warning message if passage on the platforms was not good.
- Weighs up to 12 axles per unit.
- Allows user to TARE manually.
- Allows for preset CUSTOMER CODE.
- Thermal printer included.
- Automatic and manual print of every operation.
- Is available in any language including languages with Cyrillic characters;
- Internal memory system for quick easy access to specific info.
- User friendly configuration on menu.
- Overload control with warning message.
- Interface for the direct communication to the PC.
- Interface for weight repeater.
- Interface for the traffic light.
- Interface for a SMART CARD.
- Interface for a GSM communication.



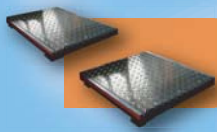
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# Environmental and system specifications

- Working temperature : -30°C / +65°C
  - Computer protection grade : IP66
  - Load cells protection grade: IP68
  - Permitted speed: 1 – 5 Km/h
  - Load capacity for axle: 20000 Kg ( 10 t x platform)
  
  - System accuracy: +/- 0.075% of gross weight (static mode, certified system)  
+/- 1 % of gross weight (dynamic and differential mode, weighing in motion)
- NOTE: All the accuracies quoted are site dependent

## Technical features



### PLATFORMS

Dimensions :	810x800x87 mm
Weight :	115 Kg
N° load cells :	4
Connection :	directly to the microcomputer
Admitted overload :	+ 50%



### MICROCOMPUTER

Dimensions :	200x200x100 mm
Weight :	2 Kg
Computer resolution :	5 - 10
Power supply :	9.5 - 32 Vdc or directly to main power 90 - 260 Vac

## Certifications

All systems are subject to a factory test prior to shipping, using test weights which are traceable to a national standard and which carry an annual calibration certificate.

- The system is available also with metrological certification, with "EC TYPE APPROVAL" that respects the norms of static weighing system CLASS III.
- Moreover, the system has been projected and manufactured according to the certifications for dynamic weighing and to the OIML R134 Class1 norm.

## Maintenance

- Easy installation, the operation of levelling and regulation are done from the top of the platform saving time and costs.
- All the test operation are done from the top of the platforms simply by removing the steel cover.
- Autotest of the system with a fault warning signal.
- Remote connection with a service and maintenance contract on request.
- Automatic identification code of the platforms to guarantee the perfect working of the system.

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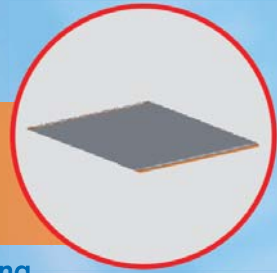
ISO 9001 / 2000 ISO 14001

# System versions



Configuration to weigh  
EVERY KIND OF VEHICLE

To weigh ALL type of vehicles  
in fixed application.



Every axle of the vehicle has to be at the same level during the weighing

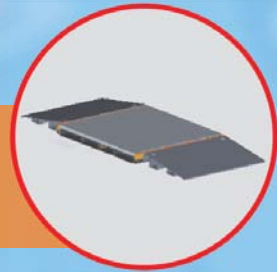
The system is made by :

- N°2 weighing platforms
- N°1 support for electronic devices
- N°1 weighing microcomputer
- N°1 thermal printer
- N°2 connection cables (10 m)
- N°1 power supply cable (3.5 m)
- N°1 power supplier 220 -110 Vac / 12 Vdc
- N°1 sound alarm



Configuration to weigh  
vehicles with NOMORE  
than 2 AXLES

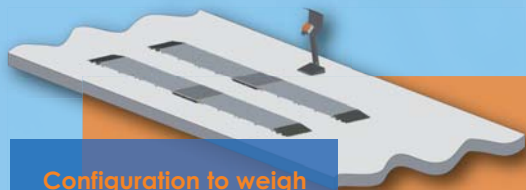
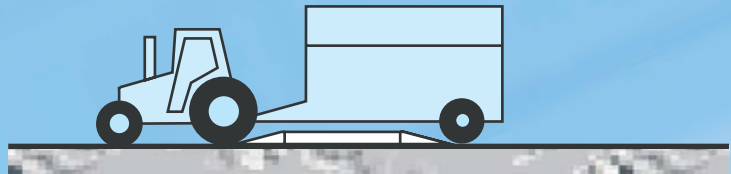
To weigh ONLY vehicles with 2 axles  
in a mobile application.  
Add the ramp kit.



To order this configuration :

DINA3 SYSTEM  
RAMPS KIT

Code 999-0500  
Code 979-0500



Configuration to weigh  
EVERY KIND OF VEHICLE

To weigh ALL types of vehicles in a  
mobile application.  
Add the Ramp kit and the Levellers kit.

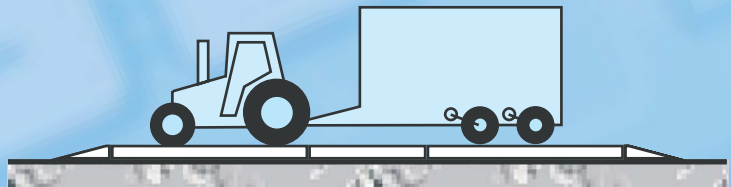


Every axle of the vehicle has to be at the same level during the weighing

To order this configuration :

DINA3 SYSTEM  
RAMPS KIT  
LEVELLERS KIT

Code 999-0500  
Code 979-0500  
Code 979-0510



## OPTIONAL

- N° 1 ID customer reading with a SMART CARD
- N° 1 Weight repeater (Supplementary display)
- N° 1 DTM DINA3 software
- N° 1 Traffic lights for customer friendly operations
- N° 1 GSM Package



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