



## Group Axle Weighbridge is designed to provide fast yet accurate weight information for the control of coming and going materials, costing much less than a complete weighbridge.

Group Axle Weighbridge is a short length weighbridge (length varies between 4 and 8m, depending on the type of trucks), that weights the truck axles in groups in **Static Weighing Mode** and sums the individual axles' weights to provide the total gross weight. At the same time the weight of the individual truck axles is controlled and correct loading is ensured. It is ideal for long and heavy, multi-axle vehicles - even truck trains.

Dependent on each particular application or customer needs, the platform can be a choice among Leon Engineering's weighbridge types, either pit or surface mounted with 4m entry-exit ramps, with 6 or 8 load cells and can weigh axle groups carrying up to 60Tn loads.



*Group Axle is an ideal alternative to a full length weighbridge, for projects with space and budget limitations.*

### Features

- A solid, robust construction that costs much less than a full length weighbridge and occupies less space.
- Static weigh mode group by group of axles – Relatively quick procedure.
- Optimum solution for agricultural applications, waste recycling, internal control purposes.
- Can weigh any type of vehicle; particularly large multi-axle and articulated trucks.
- Stainless steel load cells OIML R60 approved.
- Leon Engineering LD5218 indicator with dedicated software for group axle weighing (OIML R76 approved).
- Can be operated in an easy, user friendly way, either:
  - By an operator in the weighbridge office
  - By the truck driver himself in the weighbridge office
  - By the truck driver himself with an unattended terminal.

# Group Axle Weighbridge

## Operation Example

**Step 1:** Truck drives on to the scale with the steering axles.

**Step 2:** A large remote display flashes to indicate to the driver that weight has been stabilized and recorded.

**Step 3:** Driver moves until the next group of axles is on the scale and the weight is recorded.

**Step 4:** When last axle group has been weighed, the remote display shows the total weight of the truck. Then, the driver passes his RFID card or enters the truck ID to the terminal placed at the exit of the scale. Weight information is linked to the truck ID and the weighing ticket is printed\*.

(\* In a more plain configuration, the driver goes to the weighbridge office to register the truck ID and collect the weighing ticket.



## Accessories / Optional Equipment

### Weighing Indicator

**LD5218** with Group axle weighing software

1. Desk Mounted, powder coated aluminium ( IP40)

2. Dimensions

(mm):206(L)x140(H)x135(W)

3. 16 character, LCD, backlit display, 14.5mm digit height

4. Pseudo-alphanumeric membrane keyboard of 27 keys, with tactile feedback

5. RS232 , RS485 standard ports

6. 1 x digital input, 2 x digital outputs.



### Thermal Ticket Printer

```

DATE:26-09-13 10:17 N:00261
VEHICLE : AD123      MP:001
CARD I.D :
CLIENT  :
PRODUCT :

Axle 01 Gross: 10000kg
Axle 02 Gross: 10000kg

1st WEIGHT:<20000kg>
DATE:26-09-13 10:17:53 N:00262
VEHICLE : AD123      MP:001
CARD I.D :
CLIENT  :
PRODUCT :

Axle 01 Gross: 15000kg
Axle 02 Gross: 15000kg

1st WEIGHT: 20000kg
2nd WEIGHT:<30000kg>
NET WEIGHT: 10000kg
    
```

**\*Sample Weighing Ticket (1st & 2nd weighing)**

### Unattended Terminal

**LD5218** Unattended weighing terminal for automatic weighing process.



### Traffic Lights

Can be used instead of or in parallel with the remote display to indicate to the driver when to move to the next group of axles.

### Remote Display

**RD650** remote display indicates to the driver to move to the next group of axles.



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**Leon Engineering SA.**

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