



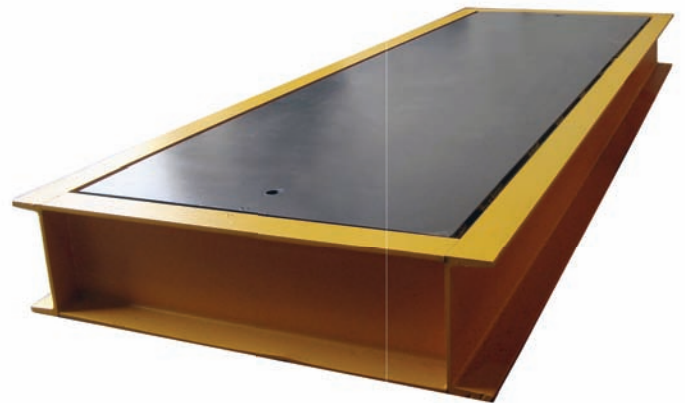
Pit mounted axle weigher, designed to calculate accurately axle and gross weight of all types of vehicles, with no limitation on vehicle length or total weight.

The reinforced platform along with the dedicated indicator calculate the weight of a vehicle in "motion" ([Dynamic Weighing](#)) by summing the weight of individual axles. LESIM can capture with high accuracy any axle up to 30Tn weight, with the truck moving with a 5km/h maximum speed.

[Static Weighing](#) operation (axle by axle) is also possible.

The indicator software supports both [Weighbridge Operation](#) (Weigh In – Weigh Out) as well as [Axle Weighing](#) for Control purposes (for the control of axle loads, overall loading of trucks and correct loading, which are necessary in order to protect vehicles and avoid overloading fines or costly delays).

In both cases the printouts can be customized according to customer's requirements.



LESIM is ideal for sites where space or access is limited and for weighbridge applications with limited budget, as it costs less than a full weighbridge.

Features

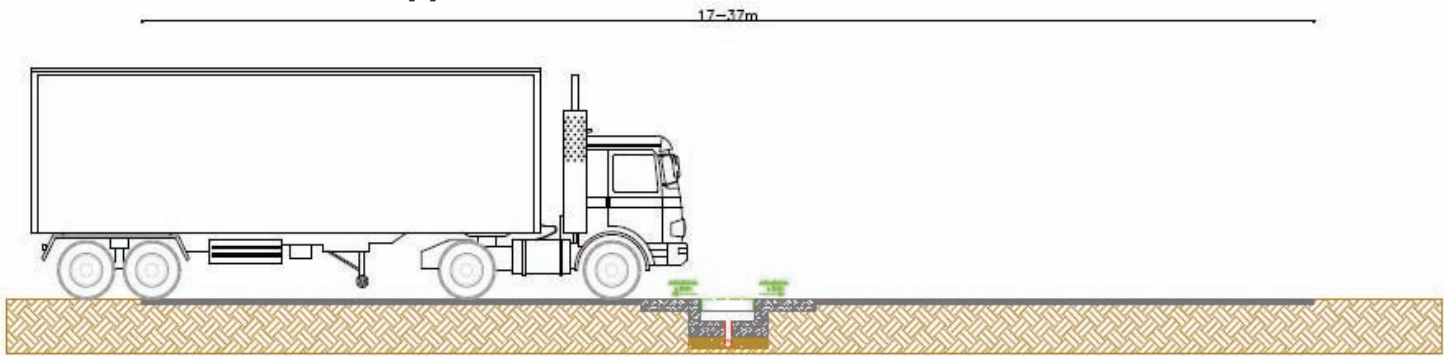
- Ideal weighing solution with minimum ownership costs.
- Facilitates weighing operations by weighing vehicles on the move.
- Contributes to safety, protection of roads from deterioration & operational life of vehicles by checking individual axle loads.
- Ideal for large multi-axle and articulated vehicles.
- Durable , solid construction.
- Accurate, reliable and user friendly.
- Completely self contained – Comes with a prefabricated steel pit frame.
- Easy to install.
- Pre-mounted OIML approved stainless steel, hermetically sealed loadcells & stainless steel junction box.

LESIM - In Ground Axle Weigher

Technical Specifications

Scale Size	3.20m x 1.05m x 0.24m
Operational Platform Size	3.00m x 0.85m
Maximum Capacity	30Tn per axle
Safe Overloading	37Tn per axle
Load Cells	4 load cells, stainless steel, compression type
Load cell nominal value	15Tn
Static weighing accuracy	10 kg (accuracy class III)
Dynamic weighing accuracy	From 10 kg (accuracy class 0,5 or 1)
Maximum Vehicle Speed for in motion weighing	5km/h for compatibility with OIML regulations Up to 10km/h also possible with less accuracy
Construction Material	ST 37 Steel
Shipping Weight	1300 kg
Certification	OIML R76

Application For Pit-mounted Installation



LD5218 with Dynamic Axle Weighing Software

- Desk Mounted, powder coated aluminium (IP40)
- Dimensions (mm):206(L)x140(H)x135(W)
- 16 character, LCD, backlit display, 14.5mm digit height
- Pseudo-alphanumeric membrane keyboard of 27 keys, with tactile feedback
- RS232 , RS485 standard ports
- 1 x digital input, 2 x digital outputs (programmable as set points or other control outputs)
- Axle weights are registered and transmitted automatically



```
* WEIGHING TICKET * N: 00001
DATE: 14-01-13 TIME: 09:31:05
INSTRUMENT I.D: 123456
OPERATOR CODE : ABCDEF
VEHICLE REG. N: AB 1234
-----
AXLE: 01 26680kg
AXLE: 02 15110kg
-----
AXLES: 02 41790kg 5km/h
DIRECTION: RIGHT
DATE: 14-01-13 TIME: 09:31:38
SIGNATURE:
```

Sample Axle weighing ticket
(control of axle loads)

```
DATE: 16-05-13 16:00 N: 00126
VEHICLE : AB1234 MF: 054
CLIENT : SMTH
PRODUCT : SAND BB
AXLE 01 : 6000kg
AXLE 02 : 8000kg
AXLE 03 : 9000kg
AXLE 04 : 9000kg
2nd WEIGHT : <32000>kg 16-05-13
1st WEIGHT : 15000 kg 16-05-13 15:46
NET WEIGHT: 17000 kg
```

Sample ticket Weighbridge mode
(2nd weighing ticket)

For non legal for
trade applications

LESIM - In Ground Axle Weigher

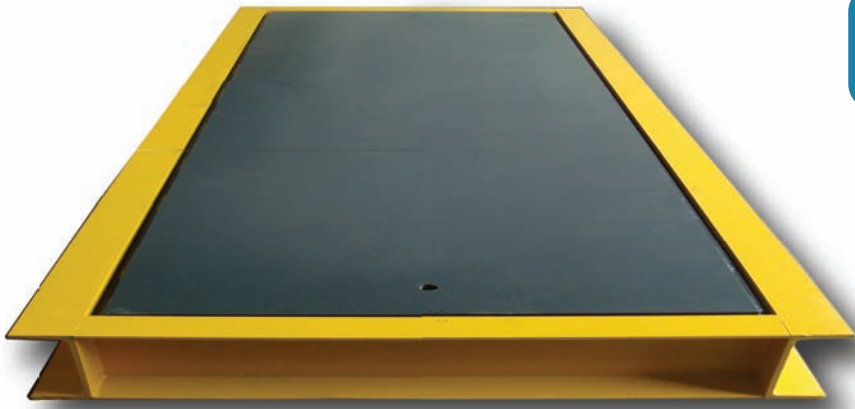
Unattended Terminal LD5218, With Traffic Lights and Remote Display For Automatic Operation



Indicator LD5218, With Ticket Printer and LEWIS PC Software For Manual Operation and Enhanced Data Handling



Indicator LD5218, With Ticket Printer For Manual Operation



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