



Leon-Engineering

INDUSTRIAL WEIGHING & AUTOMATION SYSTEMS

AXLE WEIGHING





Portable & In Motion Axle Weigher - LEWIM



Product Description

LEWIM is a Portable Axle Scale specially designed to provide fast and accurate axle and gross weight information for all vehicle types from light vans to the heaviest multi-axle vehicles. LEWIM weighs any vehicle up to 30 tonne per axle 'in motion' at speeds up to 10 km/h (Weighing accuracy 1%). It is simple to install and re-locate and is ideal for sites where space or access is limited. The driver and operator can see immediately if the vehicle is loaded safely & legally, possibly avoiding fines and costly delays.

Basic Features

- Re-locatable
- Costs much less than a full length weighbridge
- Save time by weighing vehicles on the move
- Improves safety, road holding & operational life of vehicles by correct loading
- Ideal for large multi-axle and articulated vehicles
- Eliminate risks of fines
- Solid construction
- Completely self contained
- OIML approved stainless-steel loadcells
- Robust, accurate, reliable & user friendly
- Can weigh any type of truck
- Minimal yard space required
- Simple & straight forward to install

LEWIM Specifications

Weigh pad Size:	100cm x 50cm x 5cm
Ramp matt Size	100cm x 400 cm
Capacity:	30t per axle
Total Shipping Weight: (2x Weigh pads, 16x Ramp matts)	620 kg
Weigh pad Weight:	70 kg
-Ramp matt Weight:	30 kg
Load cell nominal value:	5000kg
Number of Load cells per weigh pad:	6



Portable Digital indicator

The controller/indicator provided can be installed externally (in a water and dust proof housing) to print out the weighing transactions and reports.



Basic Features

- Up to 70 measurements per second
- Alibi-memory for 10,000 records
- Excitation for up to 10 strain gauge load cells, 350Ω each (or more)
- Large, 16 character LCD display (14.5mm) with status annunciators
- 27 keys membrane keyboard with tactile feedback
- Single or dual interval / range
- Analogue and digital filtering
- Standard RS232 for PC or printer connection and RS232/RS485 interface with networking capability
- Real time clock
- 1 digital input (programmable as tilt input or to tare scale remotely or for other purposes)
- 2 digital outputs (programmable as weight set points or as other control outputs)

```
* WEIGHING TICKET * N:00001
DATE:25-05-10 TIME:10:40:40
OPERATOR CODE:
VEHICLE REG.N:
-----
AXLE:01 02000kg 1.2km/h
AXLE:02 02000kg 1.3km/h
AXLE:03 02000kg 1.2km/h
AXLE:04 02000kg 0.9km/h
-----
AXLES:04 08000kg 10:40:56
```

Sample printout

The printouts which can be individually configured to the customers requirements and include information such as time & date, vehicle information together with the individual axle & gross weight details.



Axle Scale In Ground - LESIM (Static & In-Motion)



Product Description

Axle Weighbridges are designed to provide fast and accurate axle and gross weight information for all vehicle types from light vans to the heaviest multi-axle vehicles. LESIM weighs any vehicle up to 30 tonne per axle 'in motion' at speeds up to 5 kmh. It is simple to install and re-locate and is ideal for sites where space or access is limited. The driver and operator can see immediately if the vehicle is loaded safely & legally, possibly avoiding fines and costly delays.

Basic Features

- Costs much less than a full length weighbridge
- Save time by weighing vehicles on the move
- Improves safety, road holding & operational life of vehicles by correct loading
- Ideal for large multi-axle and articulated vehicles
- Eliminate risks of fines
- Solid U-beam construction
- Completely self contained
- OIML approved stainless-steel loadcells
- Robust, accurate, reliable & user friendly
- Can weigh any type of truck
- Re-locatable
- Minimal yard space required
- Simple & straight forward to install

LESIM Platform

Platform Size: 3.2m x 0.9m x 0.3m
 Capacity: 25t / 30t
 Shipping Weight: 830kg



Digital indicator

The controller/indicator provided can be installed externally (in a water and dust proof housing) to print out the weighing transactions and reports.

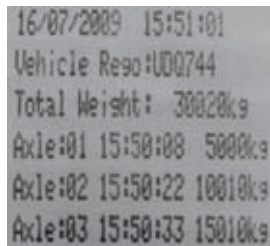


Basic Features

- Approved for 10,000divisions
- Up to 70 measurements per second
- Alibi-memory for 10,000 records
- Excitation for up to 10 strain gauge load cells, 350Ω each (or more)
- Large, 16 character LCD display (14.5mm) with status annunciators
- 27 keys membrane keyboard with tactile feedback
- Single or dual interval / range
- Analogue and digital filtering
- Standard RS232 for PC or printer connection and RS232/RS485 interface with networking capability
- Real time clock
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The printouts which can be individually configured to the customers requirements and include information such as time & date, vehicle information together with the individual axle & gross weight details.



Sample printout



Mining Truck Scale - FORCE



Product Description

Leon Engineering understands the problems associated with the loading of mining trucks, both underground haulers and open pit haulers. The ability to produce repeatable and consistent payloads and eliminate the problems associated with overloading. Inconsistent payloads cause decreased productivity, premature tyre wear, increased failure on wheel group components, overall excessive wear on truck components and - unnecessary spillage.

Leon Engineering also manufacture custom truck components and spillage scales of different lengths, widths, and capacities for your special needs. The mining and construction industries demand rugged scales built to unique specifications that will provide dependable performance for extreme duty cycles.

Capacity	up to 100t axle
Accuracy	± 1%
Dimensions	3800 x 1000 x 138 (high approx)
Protection	IP67 ~ 68