



► **Truck Scales**

May 2006



**MODEL**

**TS - 300  
GSX**

**Leon Engineering** is in the truck scales business for more than 20 years, designing, producing and supplying up-to-date solutions for demanding applications.

The **TS-300** has been designed on basis of our longtime experience in industrial weighing and with the application of the most modern components. It is a **steel mobile weighbridge**, an innovative design which offers everything the users expect: Perfect weighing performance, strength, easy installation and maintenance, therefore a profitable investment.

All weighbridge components are **fully compliant to the European regulations** and for legal metrology and to strict quality standards, offering a scale that will weigh accurately and trouble free over a lifetime under the harshest conditions.

With our model TS-300 we offer you the opportunity to select a completely transportable weighbridge with many benefits. You **no longer require special transport** to move this weighbridge. A standard forklift truck will do for loading/ offloading and for the installation work. Due to its design characteristics it is possible to adapt this weighbridge to almost every special requirement without involving high extra cost. The installation time for the TS-300 usually takes less than one day. Furthermore a special and often very costly foundation is something of the past. The TS-300 can be **installed on any** (reasonably horizontal) concrete or asphalt **surface** over which also your trucks can drive.

Within **one day** the TS-300 can be dismantled and relocated on a new site. In short, the TS-300 offers you **the best price/performance ratio** available nowadays.

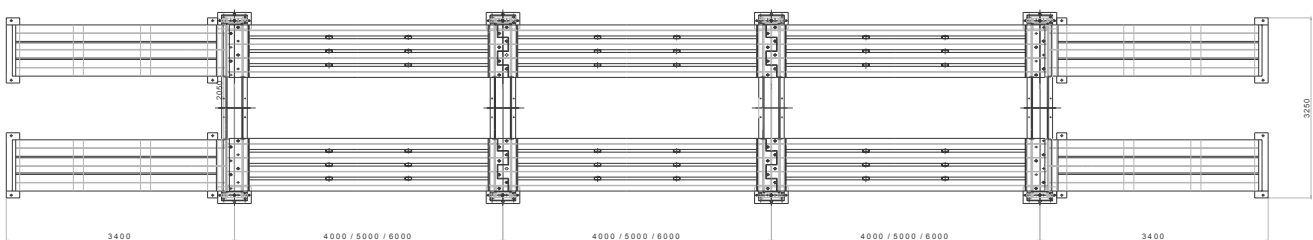


**GENERAL DESCRIPTION**

- Lightweight construction. Heaviest component weighs approx. 1000 kg.
- Easy to transport by small capacity truck.
- Easy and fast (0,5 to 1 day) installation / relocation by means of a small forklift without necessity for cranes and other heavy equipment.
- No need for special foundations, can be installed on any, reasonable horizontal, concrete or asphalt surface, surface must be able to carry fully loaded truck
- Only 300 mm high (top road surface to top platform)
- Unique modular design by means 3 basic modules, being: weighing modules, floor modules and ramp modules.
- All weighbridge parts, including load cells and mounts, remain easily accessible after installation, guaranteeing uncomplicated maintenance

**STANDARD VERSIONS:**

Dimensions	Number of load cells, model RC3, 30tn	Capacity
6x3m	4	50tn
12x3m	6	60tn
15x3m	8	70tn
16x3m	8	70tn
18x3m	8	70tn
20x3m	8	70tn
24x3m	10	100tn



**Drawing TS-300 GSX Dimensions 18X3**



## WEIGHBRIDGE COMPONENTS

### Weighbridge terminal LD5218

This state-of-the-art terminal comes with software dedicated to handle weighbridge operations and:

- a stainless steel IP65 housing
- a large 16-character LCD, backlight display - display resolution up to 990,000div.
- an integrated alphanumeric keyboard with tactile feedback for data entry, operation and programming of weighing data
- with RS232 serial port for connection with PC or printer; with standard additional RS485 serial port for connection to remote display
- with tilt input and two digital outputs (set points)
- complete with real time clock and totalizing memory
- mains power supply (85-265VAC)



### Load cell RC3

The RC3 has proven to be the most reliable solution in hundreds of weighbridges installed over the world with a minimum failure rate.

- high precision component, with built-in surge protection tubes,
- certified to OIML R60, class III, with a protection rating of IP68.
- stainless steel construction and complete hermetic sealing, which makes it suitable for use in the toughest industrial environments.
- designed in combination with a low cost self aligning rocker assembly unites excellent load introduction with a low profile outline.

Each weigh module arrives with the load cells already integrated, each with a 18m shielded signal cable for connection to the central junction box. while protective conduits for the load cell cables are part of the standard supply.



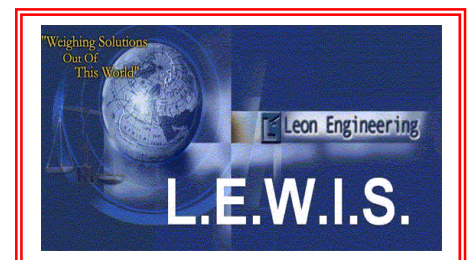
### Fanfold printer type EPSON LX-300

The printer EPSON LX300, prints the weigh tickets. We can also provide the weigh tickets where the customer can print the details that he needs (for example the company name, address, telephone number etc.) via a programme that we install in the memory of the electronic weigh tickets.



### LEWIS, Truck Scale Operations Management

**Lewis** is a comprehensive and user friendly software package, developed by Leon Engineering for weighing and vehicle flow control in weighbridge applications





**INSTALATION PROCEDURE**



Weighbridge modules are easy to be transported and stored in any warehouse



Movement of the parts and installation can be done with only a usual forklift



Load cells and junction box remain easily accessible after installation



Very minimum foundation is needed, often only under the parts which support the weigh modules and the ramps (fixing points)

In half a day the installation is complete and the weighbridge is ready for operation



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