

Excavator Weighing System



The Tera7 Excavator Load Weighing System is a Dynamic Load Weighing System suitable for excavators over 14t. It weighs the load in a bucket of an excavator as the load is being raised. Very little, if any, time is lost in the weighing process meaning it is a very versatile and easy to use system. The Tera7 Excavator Load Weighing System is essential for sites such as quarries, building sites, mine sites etc where either there is no weighbridge, or the weighbridge is some distance away from the loading site. The Tera7 Excavator Load Weighing System has dual IP67 protected angle sensors that are mounted on the main boom and also the dipper arm which will monitor and compensate for the differing angles, and dual pressure sensors in the hydraulics for accurate readings. The weighing height is adjustable to allow for weighing from a stockpile or weighing from "roadside".

The Tera7 Excavator Load Weighing System has a modern sleek 7" colour graphic display which is easy to read in all light conditions.

The display has the ability to store Customer Names, Products, Truck registrations, Job numbers and Operators. This information can be printed out on the optional on board printer. Printed tickets can be completed at the time of loading and also end of day printouts can be given. Data Downloading via computer is also available.





tera7

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Main Features:

- Colour display for easy viewing in direct sunlight
- Tera7 is the result of many years of experience in weighing systems for excavators
- Tera 7 is essential for quarries and mines without a weighbridge or an ideal backup for weighbridges located far away from the loading area.
- Tera7 speeds up the loading operation achieving the maximum filling capacity of the truck, reducing laps to weighing bridges, avoiding truck over and under loads performing dynamic vertical lifts
- Tera7 increases productivity of your machine by performing weigh accuracy within $\pm 3\%$ when loading loose materials
- The Tera 7 has a self-learning calibration that drastically reduces the calibration time.

- Tera7 thanks to its revolutionary loading and management technology, increases productivity and consequent profit of your daily job
- Up to 2 machines calibrations
- Data Management for weighing

Display Technical Features

Control System

The color 7" touch display has the important feature to clearly show the key functions of the system. The display has built in adjustable Brightness.

Is capable of managing up to:

- 500 clients
- 500 license plates
- 500 projects
- 500 operators
- 500 materials
- 500 sources (material original location).

Electrical Characteristics

Power supply: 9 - 30V

(Operates on vehicle power supply directly)

Mechanical Characteristics and Ratings

Monitor IP65, Sensors IP67

Operating temperature:

- 40°C ÷ +70°C (- 40°F ÷ 158°F)

Storage temperature:

- 40°C ÷ +85°C (- 40°F ÷ 185°F)

Additional Features

- USB port
- Backup and management of loading and customers data