

Weighbridge External LED Display – Technical Specification



External LED Display for Weighbridges – The professional and accurate solution for fast and safe operation.

A high-quality outdoor display is an essential component of any modern weighbridge system. It allows drivers to view the weight in real time from a long distance without leaving the vehicle, improving safety, saving time, and increasing operational efficiency.

The display uses high-brightness LED technology, suitable for sunlight, rain, dust, and night operation. It is fully water-resistant, made from industrial-grade materials, and integrates easily with existing analog or digital weighbridge systems.

With support for standard communication protocols, the display connects seamlessly to controllers, indicators, and weighing systems used in quarries, concrete plants, logistics centers, and industrial facilities.

Display & Visibility

LED High-Brightness technology

Digit Size: 110–200 mm (7 inch Jumbo Display)

Viewing Distance: 100–120 m

Digit Colors: Red or Green

Anti-reflective front panel

120 ° wide viewing angle

Construction & Protection

Industrial metal enclosure

Anti-corrosion protective coating

IP65 waterproof rating

Designed for harsh outdoor environments

Communication

RS-232

Current Loop

Universal Weighbridge Protocol

Baud Rate: 1200–9600 bps

Automatic data recognition

Weighbridge Compatibility

Compatible with all weighbridge indicators used in Israel

Direct communication with digital weighbridge systems

No infrastructure modifications required

Designed for heavy truck traffic and industrial environments

Display Functions

Real-time weight display

Gross and Net modes

Optional: messages, truck number, driver instructions

Available in single or dual-sided configuration

Power

Operating Voltage: 110–240 VAC

Low power consumption

UPS compatible

Electrical surge and lightning protection

Installation

Weatherproof installation box

Suitable for wall, pole, or tower mounting

Simple cabling (power + communication)

Installation height: 2–6 meters

Physical Dimensions

700 mm × 200 mm