JK TECHNOLOGIES

Low Speed Weigh in Motion System (WIMS)

Low Speed Weigh-In-Motion (LS-WIM) technology uses hermetically sealed, shear beam load cells which are certified for accuracy and performance by US and European government metrology authorities. Low-Speed Weigh-In-Motion provides greater precision for applications which include check weighing & monitoring compliance, issuing citations or charging by weight. Installation and maintenance is less expensive than standard truck scales.

LS-WIM™ Low-Speed Weigh-in-Motion

This in-ground, weigh-in-motion scale offers superior accuracy for high volume vehicle weighing. Ideal for tolling/weight enforcement applications, weigh stations and freight terminals.

LS WIM monitoring systems are used to measure left and right wheel loads of vehicles travelling at low speeds (lower than 10 km/h) to allow direct observations of static loads.

Maximize throughput by weighing at speeds of up to 20mph (35km/h) for applications which require monitoring payloads, compliance or overweight enforcement. Save valuable time while accurately capturing weight related data at entry/exit ports, freight terminals, toll and commercial weigh stations. The axle scale consists of a single deck with four integrated stainless steel, hermetically sealed shear beam load cells which are certified for accuracy and performance by U.S. and European government metrology authorities providing for excellent off-center loading and long term stability. For installation, the scale only requires positioning and securing on the mounting frame while the overall depth is just 12.5in (318mm) thereby minimizing civil works & improving ease of maintenance. Systems are available with a CPU and output to a PC using Ethernet connectivity. Software collects axle, group and gross vehicle weight

and outputs flexible tickets and summary reports. Alternatively developers can integrate into their own IT systems using analog output from the scale or Intercomp supplied API from the CPU. Configure attended and unattended systems using control barriers, traffic lights, signs & cameras to satisfy a wide range of applications.

LS-WIM™ Components

- **Loop Wire, Loop Lead-in Wire & Sensors.**
- **LAN Controller & Indicator**

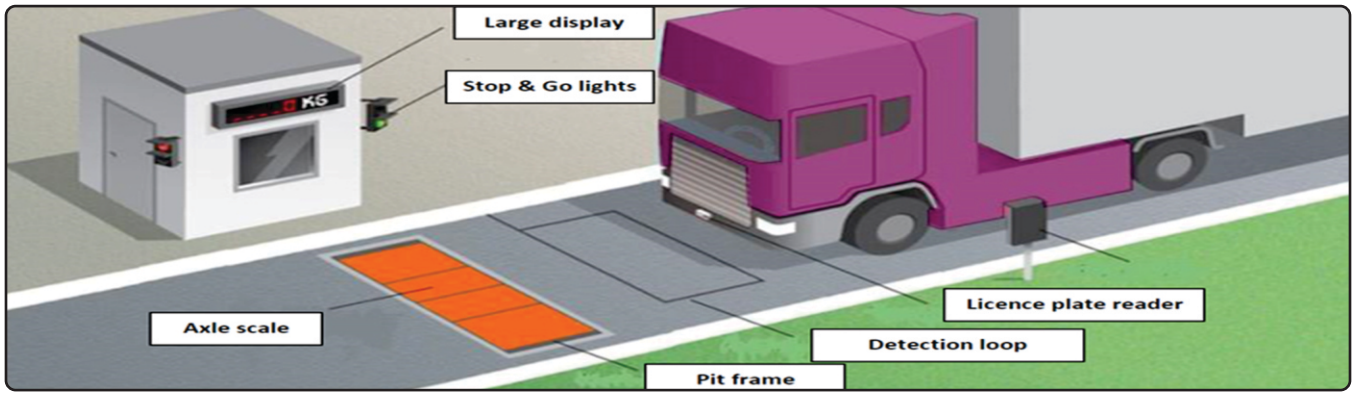
LS-WIM Software Identify class, gross vehicle weight, axle weight, and store data, while producing a full array of reports for record keeping or data analysis. Actual weights can be compared to legal limits for enforcement purposes, as well as offering the ability to generate tickets on site. Export Single Record or Reports via Excel File. Print Vehicle Tickets. Control Scale Functions Including On/Off & Zero. Variety of Display Options, Including Peak Values per Scale, NET/Tare, Values & Accumulative Mode. Reports - All Vehicles, All Overweight, by Vehicle Class with Net & Tare Weights. Part Number: 140759 and 18901.

LS-WIM™ Product Features

- Capacity of 25 tons Per Axle (150% Overload Protection)
- Dynamic Accuracy of 1-2% at Speeds up to 6 miles per hour (10 km/h)
- Complies with ASTM Type IV Applications
- NTEP Certified Class III L, Legal for Trade in Static Mode 13ft (4m) Wide, Single-Piece, Construction
- Overall depth is just 12” (300mm)
- 2LED Remote Display
- Wireless Thermal Printer
  - Lightweight, Compact Thermal Printer for Portability
  - Can Connect Directly to Scales
  - Bluetooth or Serial Cable Interfaces
- Server with Linux based OS
- Apache with PHP and Database
- Fiber and UTP Cable
- 4G Mobile internet

LS-WIM™ System Features

- To reduce heavy & overloaded vehicles from Motorway and Highway
- Portable WIM units deployed to collect traffic details
- Reduce road deterioration & repairs
- Road safety
- Minimize environmental impacts
- Economic benefit
- Road infrastructure planning, design & maintenance
- Pavement design, monitoring, and research
- Bridge design, monitoring, and research



JK TECHNOLOGIES, SIA
RIGAS IELA 40, dz.5, OZOLNIEKI,
OZOLNIEKU PAGASTS,
JELGAVAS NOVADS, LV-3018, LATVIJA

JK TECHNOLOGIES

eMail: info@jkteck.com
Hp: www.jktech.com