

# Weigh-In-Motion Axle Scale

Fast, Accurate Axle & Gross Weighing for all Vehicle Types



## ***In-Ground, Weigh-In-Motion Scale Offers Superior Accuracy for High-Volume Vehicle Weighing***

In-Ground Axle Scale systems provide a solution to weigh trucks, trailers, or any other type of wheeled vehicle, quickly and accurately. Intercomp's American-made, LS-WIM Weigh-In-Motion Axle Scale functions as either an unattended or manned weigh station. Vehicles can be weighed either dynamically, in-motion, or statically, axle by axle. The scale is NTEP Certified in static weighing mode.

**Intercomp**<sup>®</sup>  
advanced weighing technology ... by any measure

## LS-WIM SYSTEM

- Monitor & Maximize Loads
- Verify Loads for Security
- Identify Overweight Trucks
- Save Time & Money

### Intercomp's Weigh-In-Motion Scale System is a Complete Weigh Station

LS-WIM In-Ground Weigh-In-Motion Scale Systems are an ideal alternative to older static truck scales that require drivers to stop on the scales to manually receive a weight. Intercomp's LS-WIM scales will increase overall efficiency, are far more economical and will even provide individual axle weights along with total gross weights. The small footprint of these scales allow them to be installed in a matter of days, keeping downtime to a minimum, and are also far less expensive to purchase and install than traditional truck scales.



Optional Key Fob allows the driver to activate the system remotely as the truck approaches the scale. Each Key Fob transmits the vehicle's unique I.D. and allows the vehicle to proceed to collect weight data.

**Weather-Resistant Enclosure**

**LS20 WIM Indicator**

- Truck IDs Keyed in via Driver or Entered via Optional Remote Key Fob
- Ability to store 250 Truck IDs with Tare Weights, Individual
- Axle Weights & Total Gross Weight USB & RS232 Output

**Truck ID Button**

**Multi-Line 7-Digit Display LCD w/backlight**

Standard LED Score Board with a Red/Green Stop & Go Light, Clearly Displays the Weight in lb or kg



```
11-DEC-2015, 9:25:18AM
REG: 6
ID: J20
AXL1: 12000 lb
AXL2: 17150 lb 5.7m
AXL3: 18000 lb 1.2m
GROSS: 47150 lb
TARE: 27650 lb
NET: 19500 lb
SPEED: 8 kph
```

Optional Wireless Printer allows Weight Tickets to be Printed after the Weighing Process



The LS20 Indicator Processes the Weight Data & Stores it for Download to a USB Drive or RS232 Output

Industry Leading, NTEP/OIML Certified Strain Gauge Load Cell Technology

### STANDARD LS-WIM SYSTEM



Driver approaches the LS20 Indicator, stops and keys in the Truck ID, or activates the system with the optional Key Fob. Driver proceeds over the scale and visually receives a weight on an LED display, with a red/green stop and go light. All weight data is collected for download onto a USB or serial connection.

### LS20 WIM INDICATOR FEATURES

- **Data Storage Capacity** of 1,500 Weigh Records, 36 Axles Per Record
- **Data Recall** All Stored Records can be Recalled to View or Print
- **Data Export** All Records can be Exported via USB or RS232
- **Security Calibration Strap** on Circuit Board Locks Out Unauthorized Calibration
- **Tamper-Proof Adhesive Seal** across Enclosure Lid Seam
- **Weather Resistant USB & RS232 Serial Output**
- **Optional Key Fob** for remote activation

### LS-WIM SCALE FEATURES



- NTEP/OIML Certified Load Cells
- Small Footprint for Ease of Installation
- Removable Platform for Service & Maintenance
- Overall Depth just 12.5' (318mm)
- NTEP Certified in Static Mode

### LS-WIM OPTIONAL COMPONENTS

- LED Display 4.5" with Red/Green Stop & Go Light
- Weather Resistant Printer: Time/Date, Truck ID, Axle Weights & Gross, Net, Tare
- IntercompWIM Software
  - Fully Automates Weighing Process
  - Identify Vehicle Class, GVW & Axle Weight
  - Weight Reports for Data Collection & Analysis
  - For Use with WIM4 CPU
- Key Fob for Remote Activation



## LS-WIM System Benefits

### Quality



- Made In U.S.A.
- Durable 8.2" - Thick Deck
- Removable Deck for Easy Maintenance

### Efficiency



- Dynamic Weigh-In-Motion Saves Time & Increases Efficiency
- Display, Printer & Output Options provide User Flexibility

### Accuracy



- $\pm 0.1\%$  Accuracy in Static Mode
- 1-2% Accuracy in Dynamic Mode
- NTEP/OIML Certified Strain Gauge Load Cells

### Value



- Far Less Expensive to Purchase than Full-Size Truck Scales
- Small Footprint for Lower Cost & Ease of Installation

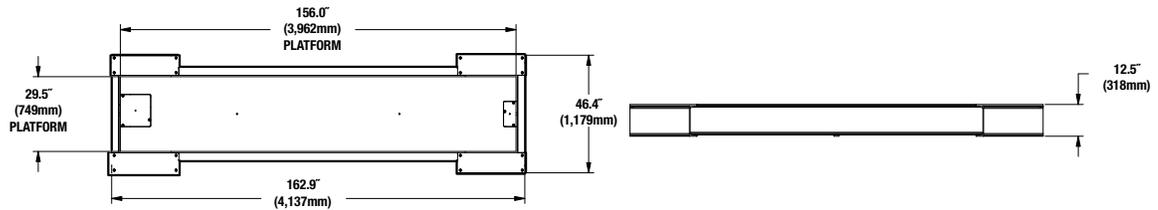
## LS20 WIM Indicator Specifications

### Electrical

Operating Temperature Range	-4° to 140°F (-20° to 60°C)
Power	100 to 240 VAC, 50 to 60 Hz. 2.5W typical

### Environmental

Hardened Case Rated IP65
Humidity 10 to 95% non-condensing



### LS-WIM Scale Specifications

Capacity	45,000lb (20,000 kg)*
Dimensions	162.9in x 29.5in (4,137mm x 749mm)
Deck Thickness	8.2in (208mm)
Vehicle Speed Range	0mph to 20mph (0km/hr to 35km/hr)
Operating Temperature Range	-29° to 165°F (-34° to 74°C)
Power	110/220V 50/60 Hz
Cable Type	6 Conductor Cable with Shield, $\pm$ Excitation, $\pm$ Signal, $\pm$ Sense
Cable Length	100ft (30m) — Custom Lengths Available per Customer Request
Recommended Excitation	5-10V
IP Rating	IP68

\*Higher Capacities are Available

### Accuracy

Static Accuracy	$\pm 0.1\%$ of Applied Load
Dynamic Accuracy	1-2% at Low Speeds**

\*\*Site Conditions & Vehicle Speeds Can Affect GVW Accuracy

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