

# Weigh-In-Motion Strip Sensors

## Automated Vehicle Weighing Technology



### *Weigh Every Vehicle Without Slowing Down*

Intercomp Weigh-In-Motion Strip Sensors are the latest evolution in axle and truck scale technology. Eliminating the requirement for scale traffic to stop and wait, Strip Sensor systems unlock operational benefits beyond the capabilities of traditional weighing practices.

By capturing weights for each wheel independently, WIM Strip Sensor systems provide fully-automated collection of individual-axle, axle-group, and gross vehicle weights. Whether tracking inventories based on vehicle load weights, or preventing overweight citations, Strip Sensor systems offer the flexibility to exceed a wide range of application-specific needs.

- Same-Day Installed & Operational
- Embed in Asphalt or Concrete
- No Drains Required
- Cost Efficient

# Weigh-In-Motion Strip Sens

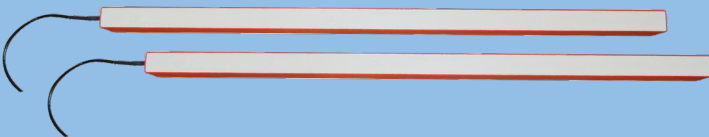
Monitor & Maximize Loads | Verify Inventories | Save Time & Money

## Intercomp's Weigh-In-Motion Scale System

Intercomp **Strain Gauge Strip Sensors** measure multiple wheel weights to calculate vehicle weight characteristics. They can operate as part of a stand-alone configuration, or be integrated with other data systems. Due to less civil works and minimal ongoing maintenance requirements, Strip Sensors are a cost-efficient alternative to static scales.

## Intercomp's Weigh-In-Motion Scale System

- Verify Inbound/Outbound Load Weights
- Identify & Alert to Overweight Violations
- Track Inventories via Load Weights
- Manned & Unmanned Vehicle Scaling Operations



## Strain Gauge Strip Sensors

- Weigh at Low, Medium & High Speeds
- No Drainage Required
- Minimal Maintenance
- Multiple Sensors Provide Built-in System Redundancy
- Internationally Certified Accuracy - OIML R134

## WIMLogix™ Weigh-In-Motion CPU Module

- Rack-Mountable CPU Design
- Collects, Synchronizes, and Communicates Vehicle Data
- Communicates via Ethernet Output

## Optional Configurations

- Standalone System with IntercompWIM™ Software and LED Scoreboard for Turnkey Operations
- Direct Integration of Weight Data into New or Existing Operations Software via API



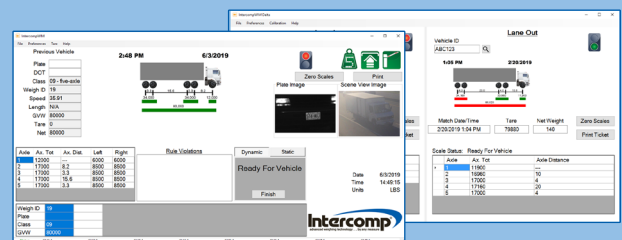
*In addition to indicating weight, the system can be configured to display a red light if overweight conditions are detected, or a green light for below acceptable limits.*

*Strip Sensors utilize strain gauge technology, which is widely accepted as the most accurate and reliable means to weigh a vehicle.*



## Wireless LED Score Board

- 6-Digit, 4.5" (115 mm) Alpha/Numeric LED Display
- 5" (127 mm) Stop & Go Light Communicates Weight Violations to the Driver
- Displays in lb or kg
- Weather-Proof Enclosure



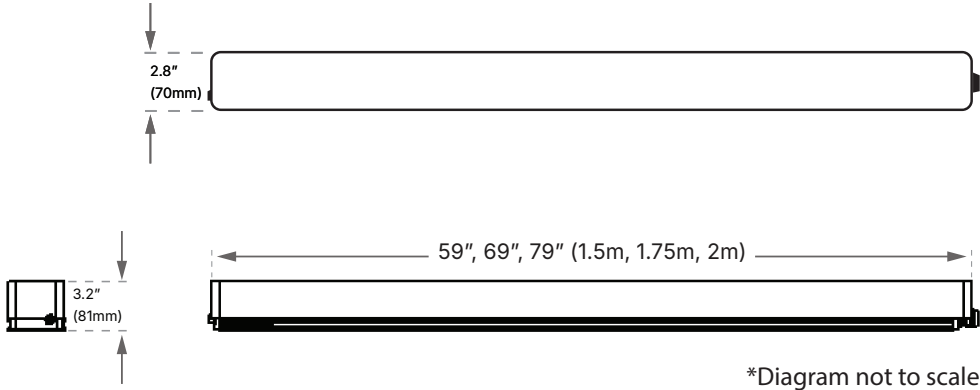
## IntercompWIM™ Software\*

- User-Defined Weight Violation Alerts & Inventory Management Functions Can Be Used Simultaneously
- Time Stamped Records are Stored for Easy Report Generation

\* Strip Sensors systems can also be integrated (via API) directly into an existing data system.

## Weigh-In-Motion Strip Sensors

Intercomp's Strip Sensors utilize strain gauge technology, which is widely accepted as the most accurate and reliable means to weigh a vehicle. The minimally-invasive installation of Intercomp Strip Sensors, which do not require built-in drainage, allows the system to be fully operational in the same day—significantly reducing both site downtime and construction costs. Strip Sensor systems can be configured to report weight and vehicle data to IntercompWIM™ Software, or be integrated (via API) directly into an existing data system.

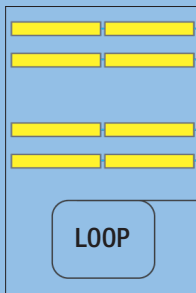


### Specifications

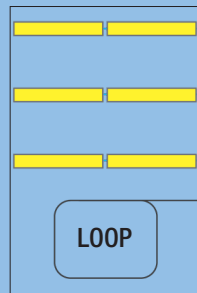
<b>LENGTH*</b>	69 in (1.75 m) <i>Alternate Lengths Available by Request</i>
<b>WEIGHT (NOT INCLUDING CABLE)</b>	62 lb (28 kg)
<b>SENSOR WIDTH</b>	2.8 in (70 mm)
<b>VEHICLE SPEED RANGE</b>	2 mph (3 km/h) to above 100 mph(160 km/h)
<b>ACCURACY</b>	< 2-3% GVW Error, Sensor Configuration & Speed Dependent
<b>OPERATING TEMPERATURE RANGE</b>	-40° to 175°F (-40° to 80°C)
<b>CABLE TYPE</b>	6 Conductor Cable with Shield, ± Excitation, ± Signal, ± Sens
<b>CABLE LENGTH</b>	131 ft (40 m) or 328 ft (100 m)— Custom Lengths Available per Request
<b>RECOMMENDED EXCITATION</b>	5-10 V
<b>IP RATING</b>	IP68

*\*Custom Lengths Available*

### Sample Sensor Configurations



8 Sensors & Loop



6 Sensors & Loop

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