

# Weigh-In-Motion Strip Sensors

Axle & Gross Weighing up to Mainline Speeds



## MicroStrip Sensors: A Cost-Effective, High-Accuracy Solution for WIM Traffic Data Collection

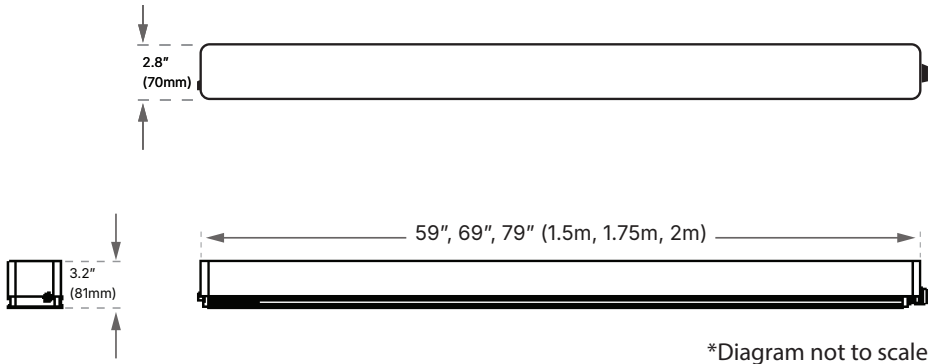
*MicroStrip™ Sensors provide an innovative alternative to conventional weigh-in-motion (WIM) technologies. Utilizing advanced strain gauge technology, MicroStrip™ sensors deliver reliable weight data accuracy, meeting both ASTM Type I and Type II standards in a two-sensor configuration. This makes MicroStrip™ the industry's most cost-effective high-accuracy WIM sensor.*

*Designed for durability and longevity, MicroStrip™ sensors offer a significantly lower total cost of ownership compared to piezo-polymer sensors. Over a 4-5 year period, users can achieve up to 40% savings due to reduced recalibration and replacement requirements. Their robust design ensures consistent long-term performance, making them ideal for high-traffic roadways while minimizing the need for frequent recalibrations.*

*MicroStrip™ sensors reduce measurement variability, prevent unexpected calibration drifts, and minimize the need for sensor replacements. This leads to more reliable WIM data and significantly lower operating costs over time.*

## Weigh-In-Motion Strip Sensors

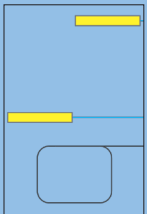
Intercomp's MicroStrip™ Sensors utilize GaugeSense™ Technology which is widely accepted as the most durable and reliable means to weigh a vehicle. This revolutionary Weigh-In-Motion strain gauge based design provides an alternative to traditional sensor based technology. Intercomp MicroStrip™ Sensors are OIML R134 5E and 10F certified and capable of meeting or exceeding ASTM E1318-09 Type I, Type II, and COST 323 B+(7) or B(10) performance requirements. Installed within 3" (75 mm) wide channels in the pavement, the sensor delivers lower cost because of the minimal time & labor associated with installation and maintenance.



### Specifications

<b>LENGTH*</b>	59 in (1.50 m)	69 in (1.75 m)	79 in (2.00 m)
<b>WEIGHT (NOT INCLUDING CABLE)</b>	38 lb (17 kg)	45 lb (21 kg)	52 lb (24 kg)
<b>SENSOR WIDTH</b>	2.8 in (70 mm)		
<b>VEHICLE SPEED RANGE</b>	above 100 mph (160 km/hr)		
<b>OPERATING TEMPERATURE RANGE</b>	-40° to 175°F (-40° to 80°C)		
<b>CABLE TYPE</b>	6/8 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, EN60529		

\*Custom Lengths Available



### Example Site Configuration

Mainline Screening  
Bridge Protection

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Specifications subject to change without notice.

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