



# OFFROAD

Truck Scales to measure and control your daily operations.

*Technical Specification*



## DESCRIPTION

Avery Weigh-Tronix Off-Road truck scales are designed to meet the tough requirements of industries such as mining and excavating, road construction and logging. An experienced engineering team considers front and rear-axle loads, total gross capacity, and even the size/type of tires before releasing shop drawings, to ensure a proper solution is being provided.

## SPECIFICATIONS

FEATURES	BENEFITS
<b>Gross Capacity</b>	With a capacity of up to 135 tons, this scale can handle a wide range of trucks and configurations.
<b>Platform Lengths</b>	Platform lengths are custom built, assuring the right size for any application.
<b>Platform Widths</b>	Up to 15' wide single platforms or a variety of dual platform systems to assure the right fit for a wide range of applications.
<b>Concentrated Load Capacity (CLC)</b>	Up to a 120,000 lb design rating
<b>Weighbridge Thickness</b>	Consult factory for information. Dependent on application requirements.
<b>Elevation Profile</b>	Consult factory for information. Dependent on application requirements.
<b>Full Electronic Design</b>	Avery Weigh-Tronix has consistently been a leader in utilizing state of the art technology in virtually every aspect of their truck scale product range.
<b>Factory Assembled</b>	Minimizes installation time and costs. Insures consistent product quality.
<b>Weighbridge Design</b>	Heavy duty I-beam construction with 100% welding throughout the structure.
<b>Corrosion Protection</b>	All steel surfaces are commercial blast cleaned to SSPC 6 industry standards. A high performance, high solids, two component urethane primer is applied, followed by a final coat of high quality, heavy-duty polyurethane.
<b>Module Installation</b>	The absence of grout plates and the drilled in place anchor bolts mean simple, low cost installation.
<b>Weigh Bar®</b>	Extra, heavy duty version with capacity of 75,000 lb for each sensor and 200% overload safety factor.
<b>Weigh Bar Performance</b>	Impervious to end, side, and torque loading conditions that can destroy conventional load cells.
<b>Weigh Bar Design</b>	Produced from high quality aircraft alloy steel bar stock, that has been heat treated, quenched, and tempered, to resist corrosion. Also provides better repeatability and less hysteresis than stainless steel.
<b>Weigh Bar Protection</b>	Extremely resistant to surge voltage or lightning related problems. Strain gauges are scientifically sealed against moisture or corrosive elements.
<b>Weigh Bar Cabling</b>	Stainless steel jacketed cables in factory installed conduit runs.
<b>Single Link Suspension</b>	Rugged single link suspension and self-checking design minimize movement from stopping and starting of vehicles on scale. No check rods or bumper plate required.
<b>NEMA 4X Stainless Steel Junction Box</b>	Compact, all stainless steel junction and summation boxes, with connector-less cables for elimination of moisture or condensation related problems. Includes Gore breather vent to equalize pressure inside and outside the box.



### ZM305 INDICATOR

The ZM305 Series Indicator with truck scale In/Out software application simplifies vehicle weighing. Track up to 250 different open transactions and store up to 1,000 completed transactions. You can also store up to 500 tare weights. Other instruments are available with a wide range of features and functionality.

#### Approvals –

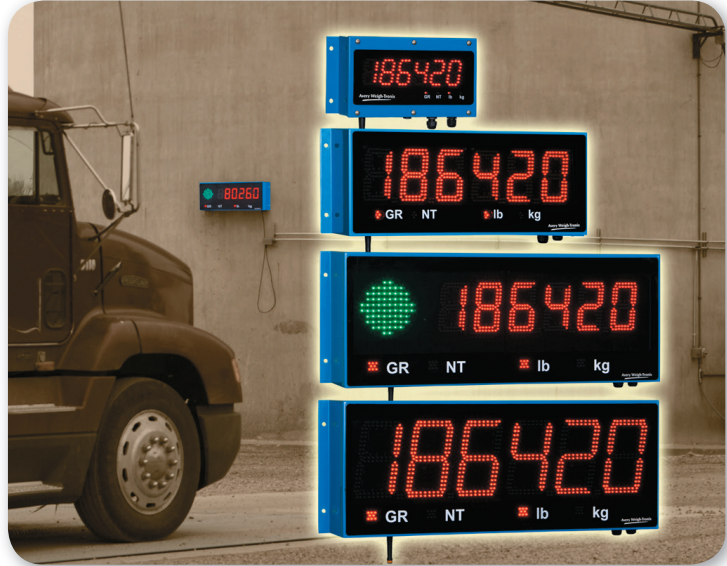
NTEP  
CC# 97-074 and 98-040

#### Warranty –

10 years - Weighbridge structure  
5 years - Weigh Bars

### OPTIONS & ACCESSORIES

- Guide Rails
- Manhole Rings and Covers
- Indicators and Unattended Systems
- Remote Displays
- Printers
- Guard Posts
- MI-Payload, Measurement Intelligence Software
- Hazardous Area Systems



*Remote Displays*



#### GUIDE RAILS AND POSTS

Extreme-duty guide rails are bolted in place to provide a strong, attractive barrier against accidental drive-offs. Tubing is gentle on truck wheels and is offset to allow full use of deck. Yellow paint is standard feature.



#### UNATTENDED SYSTEMS

Allows 24/7 scale availability. Can be customized with several hardware options such as loop detectors, ID readers, video surveillance, traffic lights, and wireless communication.



#### MANHOLE

Provides easy access in pit installations. Reinforced 2' x 2' manhole includes a heavy duty cover to maintain weighbridge integrity.

# Avery Weigh-Tronix

[www.averyweigh-tronix.com](http://www.averyweigh-tronix.com)

*Avery Weigh-Tronix is an ITW company*

