



# 8765 SERIES

## MODULAR ABOVEGROUND RAILROAD TRACK SCALES



*Heavy-duty, pit-free railroad track scales designed for top performance in extreme weighing applications.*



**THURMANSCALE.COM**



CC# 19-092

# THURMAN<sup>®</sup> SCALE 8765 SERIES

## MODULAR ABOVEGROUND RAILROAD TRACK SCALES

The 8765 Series is a unique rail scale that offers reliable performance and substantial cost-saving for construction, maintenance and operation, thanks to its modular, aboveground design.

The 8765 easily integrates with standard rail configurations and effectively handles a variety of applications, from basic weighing to sophisticated data tracking.

The 8765 Series meets or exceeds all structural, sectional and accuracy requirements of the American Association of Railroads, the National Institute of Standards and Technology, and Cooper E80 rating system.



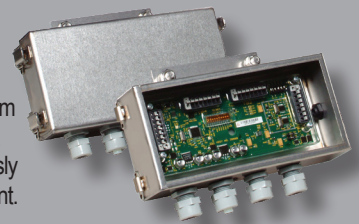
### WE OFFER HIGH PERFORMANCE INSTRUMENTS, LOAD CELLS, and LIGHTNING/SURGE PROTECTION



Thurman track scale instruments are designed to facilitate a wide range of weighing application outputs, from standard reporting capabilities to complex data tracking.



Ask your sales representative about Thurman Instruments with Intalogix<sup>®</sup> Technology — industry's most complete scale protection against lightning strikes and power surges. The Intalogix<sup>®</sup> system features smart sectional controllers that monitor load cell activity and continuously send performance data to the instrument.



### STURDY, MODULAR CONSTRUCTION

By anchoring the live rail directly on steel I-beam girders, the 8765 offers a weighbridge that's much sturdier than competitors' designs that feature unsupported rail-spanning cross beams. Coupled with advanced checking capabilities to keep it square, our solid

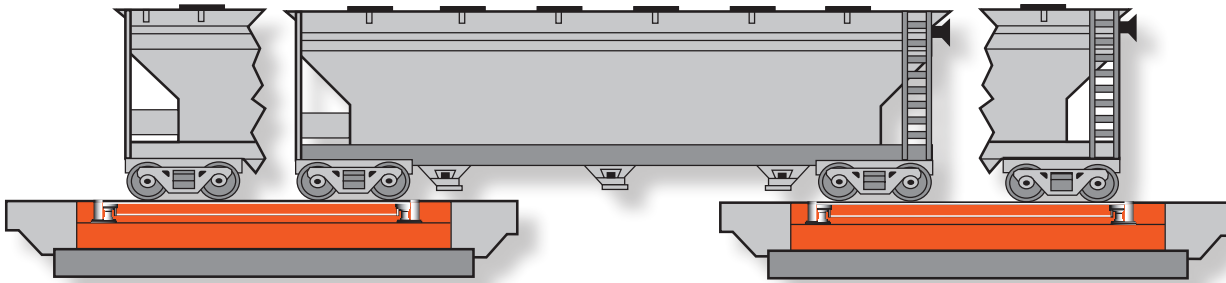
weighbridge features removable steel plates for safety and to ensure fully-protected and fully-accessible load cells and electronics. Like all Thurman designs, the 8765 Series has an open bottom that eliminates corrosion caused by trapped moisture.

# TOUGH SCALES FOR TOUGH INDUSTRIES

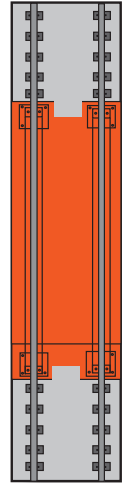
• MINING • AGGREGATE • AGRICULTURE • INTERMODAL SHIPPING • PETRO-CHEMICAL • WASTE MANAGEMENT

## SCALE DIAGRAMS AND CONFIGURATIONS:

8765 Series Single Draft weighing system (Side view cutaway)

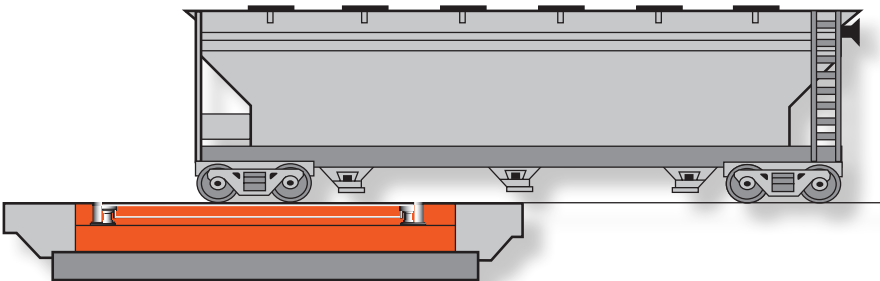


Aerial view



The Single Draft system illustrated above shows how a rail car is weighed using two 8765 Series rail modules. Modules come in a variety of lengths for compatibility with a variety of rail car sizes. See table below for standard configurations.

8765 Series Dual Draft weighing system (Side view cutaway)



8765 Series Module Configurations

Single Draft	Dual Draft
12' 6" & 12' 6"	12' 6"
12' 6" & 25'	25'
25' & 25'	

In a Dual Draft system the front and rear axles of the rail car are weighed separately. The scale instrument combines the two weights to calculate the total car weight. This method is slightly less accurate than the single draft system and rail car loading cannot be monitored.

## 8765 SERIES HIGHLIGHTS

### Self-contained, Modular Design

The 8765 Series is shipped from the factory in self-contained modules that have been factory welded to maximize product quality. Two module sizes are available - a single module with 12' 6" weigh rail and a double module with 25' weigh rail.

### AAR Cooper E-80 Weighbridge Design

The 8765 Series is designed to meet AAR specifications for Cooper E-80 loading.

### Easy Accessibility

The 8765 Series provides total accessibility to all critical components through removable deck plates and access panels.

### Easy Installation

The 8765 Series is available with optional rail clips, bolts and anti-creep devices, allowing for reduced installation time.

### Environmental Protection

All scale electronics are properly housed in rugged stainless steel, NEMA 4X enclosures designed for real world applications. All structural steel is cleaned to a SSPC-PC6 specification and coated with a two-component acrylic urethane.

# 8765 SERIES

## MODULAR ABOVEGROUND RAILROAD TRACK SCALES

### EXPERIENCE THE POWER OF THURMAN

#### IT'S THE SUPERIOR CHOICE

Thurman Scale offers one of the broadest lines of vehicle scales and heavy capacity weighing equipment on the market. Since 1918, Thurman has focused on building superior products and delivering complete customer satisfaction. That's why we believe you'll find Thurman to be the most valuable choice for all your vehicle weighing needs.



### SPECIFICATIONS

- Sectional capacity . . . . 85 tons per section
- Nominal capacity:
  - Single module (12'-6") . . 85 tons
  - Double module (25') . . . 170 tons
- Module construction . . . . Welded steel I-beam,  
open bottom understructure
- Shipping weight . . . . . 5,500 lbs per module
- Load cell data:
  - Capacity . . . . . 110,000 lbs
  - Type . . . . . Rocker column
  - Material . . . . . Stainless steel
  - Protection . . . . . IP69K complete hermetic seal with  
glass-to-metal header at cable entry
  - Resistance . . . . . 1,000 ohms
  - Output . . . . . 2.0 mV/V
- Approvals . . . . . NTEP CC# 97-078, Factory Mutual
- Approaches . . . . . 25' minimum concrete, each end
- Design rating . . . . . Cooper E-80 loading
- Accessories . . . . . Instruments, ticket and report printers,  
traffic signals, remote displays
- Approval . . . . . NTEP CC# 19-092

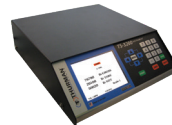
### INTALOGIX® TECHNOLOGY

Real world problems, such as lightning, can wreak havoc on your scale. Thurman provides the industry's leading technology, Intalogix, to protect your scale from mother nature. Intalogix is a standard feature on the 8765 Series Railroad Track Scale.

In addition to the highest level of protection against lightning strikes and power surges, Intalogix also has the capability to digitally isolate individual load cells and instantly notify operators if a problem arises.

### ACCESSORIES

Scale instruments



Traffic signals



Remote displays



Ticket printers



### OPTIONS

Custom solutions



*Thurman TS611  
Instrument with smart  
sectional controllers that  
feature encapsulated  
electronics.*

**(800) 688-9741**

Call between 8:00 a.m. – 5:00 p.m. Central Time  
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