



# 8510 SERIES

## ELECTRONIC, PIT-TYPE, CONCRETE DECK TRUCK SCALES



Thurman Scale's 8510 Series offers a cost-effective solution for applications with limited available real estate and heavy load, high volume traffic.



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CC No. 87-080



APPROVED  
Load Cells

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### THE 8510 OFFERS SITE FLEXIBILITY

Thurman Scale raises the bar on electronic pit-type truck scale design with its 8510 Series. This heavy-duty truck scale line boasts incredible weighbridge strength to handle both frequent weighments and heavy loads. The 8510's pit-type design also accommodates truck scale sites with limited real estate, where an above-ground scale simply won't fit.

#### • Performance Advantages

- 90,000 lbs CLC
- 60 T - 135 T gross capacity ratings
- Coal tar and an acrylic urethane industrial coating system protect pit components from wear and corrosion
- Highest load cell capacity among competitive scales



### Simple installation



Each factory fabricated module arrives ready for placement in the 8510's foundation.

There are no beams to manually bolt together. Simply set the module, add deck coping, optional factory-sized corrugate and rebar, and the 8510 is ready for concrete.

### Coal tar undercoating



Pit environments are corrosive. The 8510 features a coal tar coating

system that provides maximum understructure corrosion protection. Coal tar coating is standard on both the field pour and steel deck models.

### Powerful lightning protection



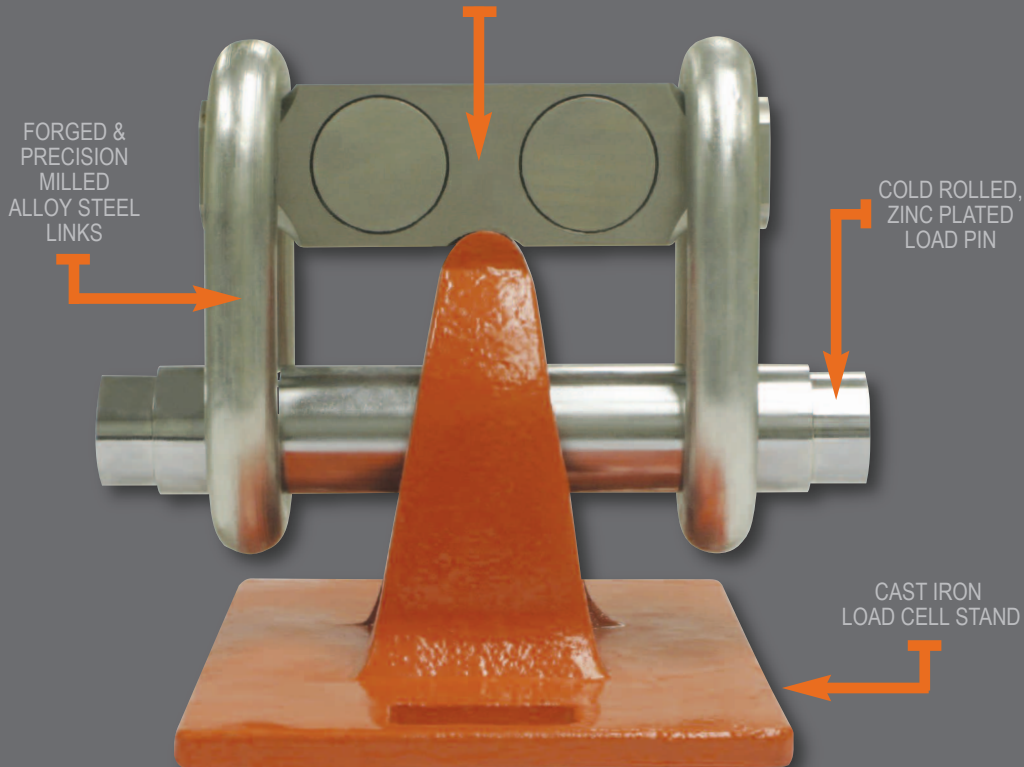
Optional Intalogix® Technology for the 8510 Truck Scale provides today's most advanced lightning/surge protection and unsurpassed load cell diagnostics.

## IT'S THE SUPERIOR CHOICE

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### THURMAN'S 75,000 LB CAPACITY DOUBLE-ENDED SHEAR BEAM LOAD CELL

THURMAN'S EXTREME  
75,000 LB CAPACITY LOAD CELL



### BUILT TOUGH FOR LONG-TERM DURABILITY

Thurman's 8510 is built with industry leading durability in mind. Quality is found in every detail of the scale's design and construction. Here are some of its most impressive features:

- Massive main girders lie directly under the concrete deck's traffic path, providing robust support for the scale and scale users. This heavy-weight design is particularly beneficial in applications with consistent heavy loads and frequent weighments.
- Outriggers simplify deck installation and guarantee that off-center loads are fully supported.
- Maximum corrosion protection is achieved through a liberal coal tar application and the use of an acrylic urethane industrial coating system on various pit components.
- Thurman's double-ended shear beam load cells feature cast iron stands for maximum strength and corrosion protection. Hardened cells and parallel link suspension ensure the platform is stable for fast, accurate weighment cycles.

#### CheckLink™ Technology



Thurman's unique parallel link suspension system provides

full 360-degree shock suspension. It easily handles hard shocks and side loads, plus, after installation, it never requires further adjustment.

#### Corrugate



Optional factory sized and cut corrugate

pans serve as temporary concrete forms to make installation even easier.

#### Rebar



Optional factory sized and cut rebar mat kits save

time when tying-off rebar. The quantity and size are specified by the factory and delivered in prefabricated mats.

#### Manholes



You have the option to incorporate heavy-duty

cast iron manholes in the scale deck at the locations that work best for your weighing operation.

## EXPERIENCE THE POWER OF THURMAN

Thurman Scale offers one of the broadest lines of vehicle scales and heavy capacity weighing equipment on the market. For more than 95 years, Thurman has focused its efforts into 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.

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### SPECIFICATIONS

Platform lengths . . . . . 25' to 100'  
Platform widths . . . . . 10', 11', 12' & 14'  
Scale capacity . . . . . 60 tons to 135 tons  
Concentrated load capacity . . . . . 90 k  
Number of sections . . . . . 2 to 5  
Deck construction . . . . . Field poured 6" concrete  
Product assembly . . . . . Factory assembled modules  
Approval . . . . . NTEP CC# 87-080  
Scale accessories . . . . . Traffic signals, report and ticket printers,  
instrumentation, remote displays, T-Belt,  
guide post kit

Load Cell  
Capacity . . . . . 75,000 lbs  
Type . . . . . Double-ended shear beam  
with IP67 hardened alloy steel  
Resistance . . . . . 700 ohm  
Output . . . . . 3.0 mv/V  
Cable protection . . . . . Armour Guard  
Checking . . . . . CheckLink™ with bumpers  
Approvals . . . . . NTEP CC# 86-045,  
Factory Mutual

### OPTIONS

- Dump through deck
- Custom sizes
- Blow-down plates
- Cast iron manholes
- Rebar mat kit
- Custom height stands
- Galvanized weighbridge
- Steel deck
- Corrugate and shoring kit
- Structural grating
- CLC up to 100 k
- Intalogix Technology



### LOCAL AUTHORIZED THURMAN DISTRIBUTOR

Call toll-free:

**(800) 688-9741**

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