



FALCON SERIES MODEL 8565XD, EXTREME-DUTY STEEL DECK SCALES



Engineered for maximum strength, performance and accuracy, the Falcon 8565XD is Thurman's easy-to-install, all-steel, extreme weighing solution.

BUILT TO PERFORM, ENGINEERED TO LAST

Falcon 8565XD scales are constructed with multiple 12" and 16" structural steel I-beams. These massive supports, coupled with the thickest standard deck plate on the market (3/8"), produce an extremely rigid and durable weighbridge that exceeds ASHTO specifications for federal bridge construction.

EXCEPTIONAL WEIGHBRIDGE FEATURES

- Up to 150-ton capacity.
- 3/8" deck plate thickness.
- 120,000 lbs CLC.
- Deflection less than 1/1800 under legal highway loads.
- Incredible steel weight — each 70' x 10' module weighs 33,000 lbs.
- NTEP certified to widths of 14 feet.

THURMAN OPEN BOTTOM DESIGN ADVANTAGES

Its ability to naturally ventilate moisture is one of the many design advantages the Falcon 8565XD Series Scales have over competing scale brands. Check out all the 8565XD advantages below.



8565XD OPEN BOTTOM DESIGN	ENCLOSED (SEALED) DESIGN
Does not allow moisture to be trapped	Does not allow moisture to escape
Natural module ventilation	No ventilation whatsoever
Eliminates need for watertight seals	Watertight seals will eventually break
Allows for easy module inspection	Enclosed areas impossible to inspect
Entire module is protected with paint	Has areas that cannot be painted

EXCEPTIONAL LOAD CELL FEATURES

- 100,000 lb capacity and 300% overload protection.
- Rocker column design eliminates weighing errors caused by off-center loading, as well as the need for grout pockets.
- Electrochemically polished stainless steel canister eliminates corrosive effects of harsh, wet environments.
- Impervious to moisture intrusion - hermetic seal, IP69K rating.

SPECIFICATIONS

Scale capacities	75 ton to 150 ton
Concentrated load capacity (CLC)	120,000 lbs
Platform sizes	
Lengths	27' 30', 35', 60', 70', 80', 90' and 105' standard Custom lengths available
Widths	10', 11', 12' and 14' standard
Minimum division size	10 lbs
Sections	2 to 4
Modules	1 to 3
Module data:	
Design	Orthotropic
Construction	USA structural steel
Under structure	Open bottom
Deck plate thickness	3/8"
Approach height	21" (standard & with cover plates)
Cover plates	Optional
Checking	Bumper
Approvals	NTEP CC# 22-087, MC# AM-6004
Load cell:	
Type	Rocker column
Height	6.0"
Load cell material	Stainless steel, 17-4 PH (1.4548)
Load cell capacity	100,000 lbs
Overload capacity	300%
Rating	IP69K
Rated output (=RO)	2 ± 0.1% mV/V
Excitation voltage	5 to 15 VDC
Zero balance (FSO)	1.0%
Input resistance	1,150 ± 50 Ω
Output resistance	1,000 ± 2 Ω
Insulation resistance	≥ 5,000 MΩ
Ultimate load	300 %E _{max}
Load cell resistance	1,000 ohms
Load cell output	2.0 mV/V
Load cell cable	15' with stainless steel sheathing
Sealing	Complete hermetic sealing, cable entry sealed w/ glass-to-metal header
Approvals	NTEP CC # 92-098, Factory Mutual

At A Glance™

Models and specifications subject to change without notice.
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Call toll-free for the Thurman representative nearest you:

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