

# BRIDGEMONT WEIGH-TRONIX



## BridgeMont BMS-SD

A steel-deck  
truck scale  
designed for  
low traffic  
applications.

### Custom Design

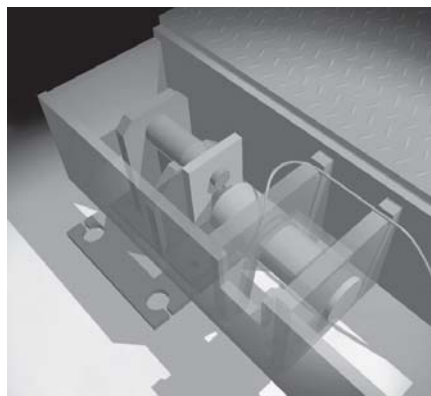
The BridgeMont BMS-SD incorporates all the same outstanding design features of the BridgeMont truck scales. This custom designed BridgeMont model is best suited for above-ground applications weighing an average of 75 or less trucks per day of legal highway loads. Under these conditions, the scale is designed to provide 20+ years of service. The BMS-SD is perfect for processing, general manufacturing and agricultural applications.

### Structural Integrity

Weigh-Tronix engineers utilized Finite Element Analysis (FEA) to verify the BMS-SD performance at 75 trucks per day over 20 years without degradation of the weighbridge or compromising the structural integrity of the scale. FEA verified the value of the sandwich steel construction design used by Weigh-Tronix. The structural integrity of the BMS-SD is fortified with the use of bottom plates, a key to the strength of all models in the BridgeMont family.

### Weigh Bar® Dependability

Like all BridgeMont scales, the BMS-SD utilizes the proven Weigh Bar weight sensors. The Weigh Bar has proven itself to be the most dependable and long lasting weight sensor in the industry. Annual Weigh Bar failure rate is less than 1% of the total population against an industry average of 3-5%.



### Simplified Installation

The BMS-SD utilizes the same installation technique used in all BridgeMont truck scales. The design places the Weigh Bar weight sensors in the scale's deck. This provides stability and level positioning for the

weight sensors without the need for difficult-to-install load cell stands and grout plates.

The use of 20' and 23' deck sections that are longer than the industry standard usually results in one less deck section than competitive scales of the same length. In addition to the cost savings of one less deck section and two less load cells, one less pier is required in the foundation which results in lower foundation cost.

### Premium Products

For more than 30 years, we've been committed to providing our customers with the highest quality and innovation in both products and services. Weigh-Tronix maintains ISO 9001 certification, assuring manufacturing consistency. The family of BridgeMont Truck Scales meets the requirements of the Scale Manufacturers Association as a legal-for-trade scale and proudly displays the Manufacturing Meets Type certification.

*Quality and innovation.*

*That is our tradition.*

*It is our driving force for the future.*

# BRIDGEMONT WEIGH-TRONIX

## Specifications

**Dual tandem axle capacity:** 70,000 lb

**"r" factor rating:** 2.06

**Concentrated load capacity (CLC):** 35 ton

**Surge voltage protection:** Standard equipment

**Junction boxes:** NEMA 4 stainless steel

**Operating environment:** Temperature: -30° to 130°F

**Approvals:** NTEP, Cert. of Conf. #97-074A2

**Warranty:** 5 years - Weigh Bar  
5 years - Weighbridge

## Options and accessories

Stainless steel sheathed cables

Guide rails and guard posts

Hazardous area systems

Multi-platform systems for axle weighing

Indicators and remote displays

Traxle™ - total truck and axle weighing system

Truck Weigh - data management software

Printers

Model#		Size	Modules	Weigh Bars	Capacity Gross (tons)
BMS-SD	3010-70T	29'-7¼" x 9'-10½"	2	6	70
BMS-SD	3510-70T	34'-11¼" x 9'-10½"	2	6	70
BMS-SD	4010-70T	40'-3¼" x 9'-10½"	2	6	70
BMS-SD	4710-70T	46'-11¼" x 9'-10½"	2	6	70
BMS-SD	6010-100T	59'-10½" x 9'-10½"	3	8	100
BMS-SD	7010-100T	69'-10½" x 9'-10½"	3	8	100
BMS-SD	8010-100T	79'-5¾" x 9'-10½"	4	10	100
BMS-SD	3011-70T	29'-7¼" x 11'-0"	2	6	70
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