



**CARDINAL®**

# TBCS

## SELF-CHECKING LOAD CELL KITS

Versatile Load  
Cell Assemblies  
Utilized for  
Wide-Ranging  
Applications

Mild or Stainless  
Steel Weighing  
Module Applications:

- Tanks
- Hoppers
- Silos
- Bins
- Existing Conversions
- Mixers

Model  
TBCS-1KM-3

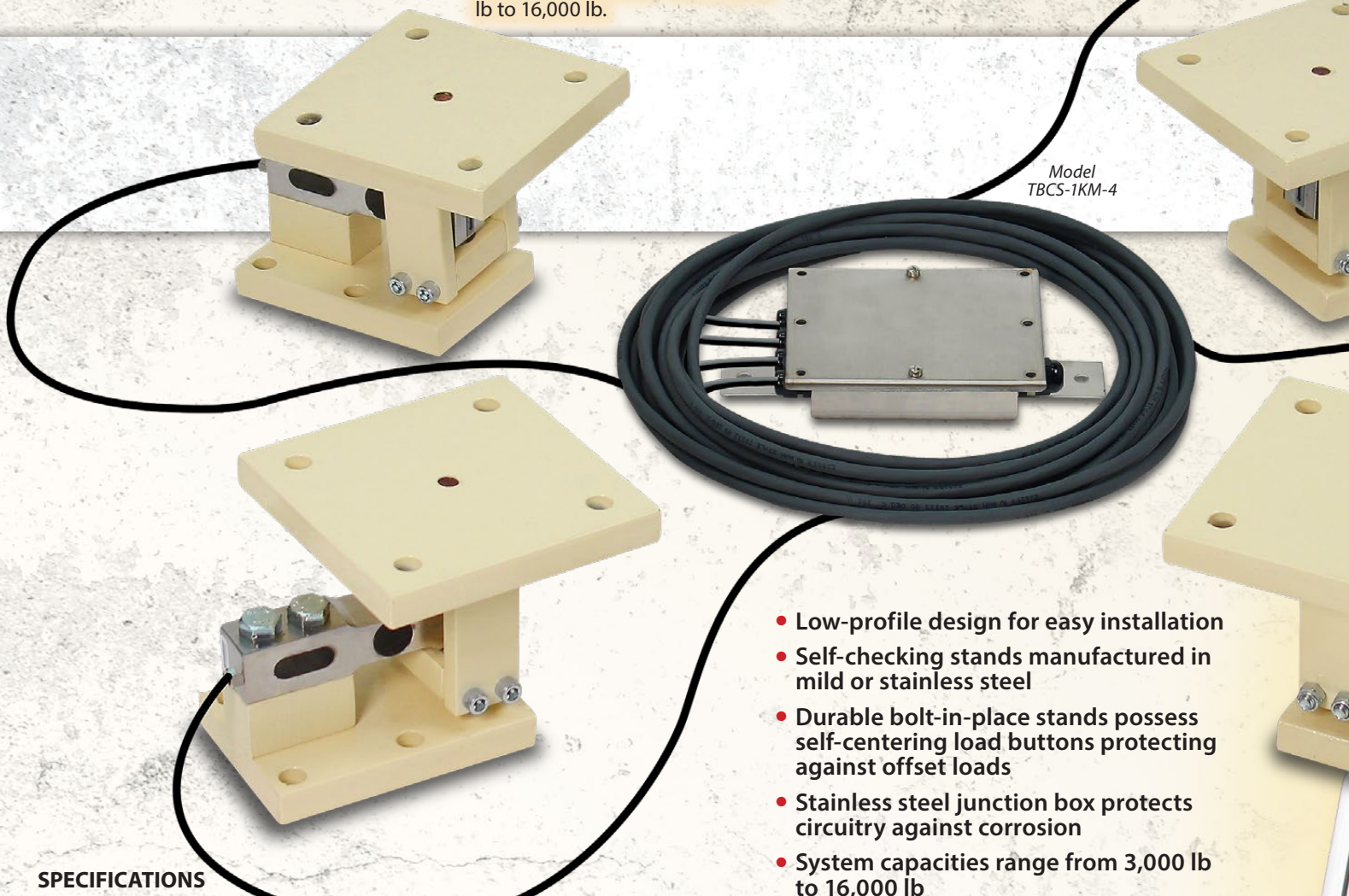


# TBCS

Cardinal Scale's robust component construction, dependable quality, and low-profile design highlight these industry-leading load cell kits which provide consummate performance in tank and hopper weighing.

Cardinal Scale's light-to-medium capacity TBCS series load cell kits are used in a host of applications ranging from agriculture to manufacturing. The TCBS series is ideal for tank, bin, mixer, and hopper weighing. System capacities range—depending on the number of cells—from 3,000 lb to 16,000 lb.

The TCBS's stainless steel shear beam load cells are ideal for harsh conditions and unforgiving workloads. Each load cell kit comes complete with three or four stand assemblies, load cells, self-checking load cell stands, stainless steel junction box, and load cell cable. The TCBS weighing modules are ideal for easy installation, in any application.



Model  
TBCS-1KM-4

## SPECIFICATIONS


<b>LOAD CELL</b>	Type	TB series shear beam model. Capacities ranging from 1,000 lb to 4,000 lb per cell. Stainless steel construction protects against caustic or corrosive environments.
	Cable	20 ft / 6 m long
	Button	Hardened steel load cell button
	Stand Construction	Mild or stainless steel, bolt-in-place.
<b>JUNCTION BOX</b>	Cable Length to Indicator	30 ft / 9 m with 9-pin D connector.
	Type	Enclosure is NEMA 4, stainless steel with fully gasketed cover. Range $\pm$ 10%.

Bolts and Lock Washers Included.

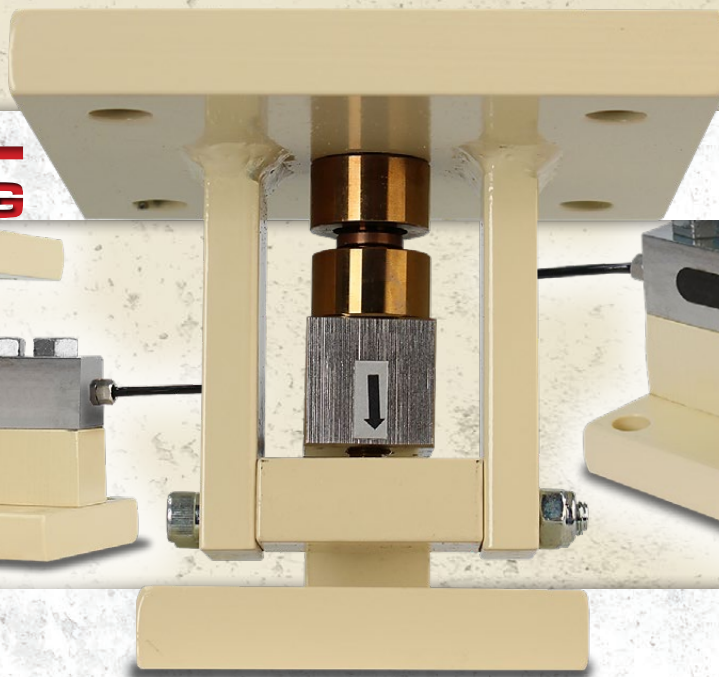
- Low-profile design for easy installation
- Self-checking stands manufactured in mild or stainless steel
- Durable bolt-in-place stands possess self-centering load buttons protecting against offset loads
- Stainless steel junction box protects circuitry against corrosion
- System capacities range from 3,000 lb to 16,000 lb
- NTEP, OIML, and VCAP certified load cells manufactured by Cardinal Scale
- Environmentally-sealed, stainless steel, waterproof load cells
- Ideal kit for tank, hopper, bin, and mixer scales
- Resilient to temperature, moisture, and vibration fluctuations
- Suited for indoor or outdoor applications

# SELF-CHECKING

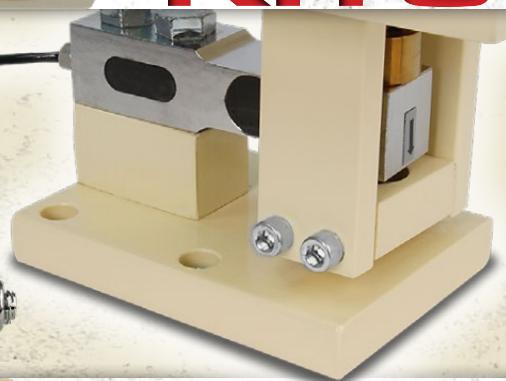
# LOAD CELL KITS



Cardinal Scale's self-centering load buttons protect against offset loads to ensure reliable weighing.



TBCS stands, which come in stainless or mild steel, feature electrostatic paint to endure the harshest of environments.



Each TBCS stand weighing module comes with a stainless steel TB series load cell, also manufactured by Cardinal Scale.



The TBCS's bolt-in-place stands are easy to install and offer a low-profile design.



# TBCS

## SELF-CHECKING LOAD CELL KITS

		Cell Capacity	System Capacity	Shipping Weight	
<b>MILD STEEL</b>	<b>3-CELL</b>	<b>TBCS-1KM-3</b>	1,000 lb – 455 kg	3,000 lb – 1,360 kg	69 lb
		<b>TBCS-2.5KM-3</b>	2,500 lb – 1,135 kg	7,500 lb – 3,400 kg	69 lb
		<b>TBCS-4KM-3</b>	4,000 lb – 1,815 kg	12,000 lb – 5,440 kg	69 lb
<b>MILD STEEL</b>	<b>4-CELL</b>	<b>TBCS-1KM-4</b>	1,000 lb – 455 kg	4,000 lb – 1,815 kg	90 lb
		<b>TCBS-2.5KM-4</b>	2,500 lb – 1,135 kg	10,000 lb – 4,500 kg	90 lb
		<b>TCBS-4KM-4</b>	4,000 lb – 1,815 kg	16,000 lb – 7,250 kg	90 lb
<b>STAINLESS STEEL</b>	<b>3-CELL</b>	<b>TBCSS-1KM-3</b>	1,000 lb – 455 kg	3,000 lb – 1,360 kg	69 lb
		<b>TCBSS-2.5KM-3</b>	2,500 lb – 1,135 kg	7,500 lb – 3,400 kg	69 lb
		<b>TCBSS-4KM-3</b>	4,000 lb – 1,815 kg	12,000 lb – 5,440 kg	69 lb
<b>STAINLESS STEEL</b>	<b>4-CELL</b>	<b>TCBSS-1KM-4</b>	1,000 lb – 455 kg	4,000 lb – 1,815 kg	90 lb
		<b>TCBSS-2.5KM-4</b>	2,500 lb – 1,135 kg	10,000 lb – 4,500 kg	90 lb
		<b>TCBSS-4KM-4</b>	4,000 lb – 1,815 kg	16,000 lb – 7,250 kg	90 lb

*All systems need to be safety-checked or chained to prevent failure. A qualified engineer should be consulted that has determined the vessel to be used is structurally sound and capable of being supported by three or four points when filled to capacity.*

*Cardinal Scale reserves the right to improve, enhance, or modify features and specifications without prior notice.*



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