



Industrial Products, Inc.
PO Box 68004, Indianapolis, IN 46268

317.872.5806 | 317.875.5649 Fax
www.bhindust.com | sales@bhindust.com

CHECKWEIGHER SPECIFICATION SHEET - 4693

Product Information:

Check the types of containers to be weighed.

Bag Box Pail/Keg Drum Other:

Describe each of your products below: Make sure to list the shortest and longest unit length:

Item	Length	Width	Height	Weight	Prod. Rate

What is the conveyor speed of your current/new production line?

** In feed and out feed conveyor speeds need to match the speed of the checkweigher.*

What is the maximum production rate for your longest package?

What is the maximum production rate for your shortest package?

Environmental Information:

The standard Model 4693 Heavy-duty Checkweigher is provided with a non-rated TEFC motor, mild steel painted frame, and NEMA 4X fiberglass controller enclosure. Options are available for wet, corrosive, and hazardous locations. Please note your specific requirements below.

- NEMA 12 (std. system)
- NEMA 4 (wash down, dust tight)
- NEMA 4X (wash down/corrosion resistant)
- NEMA 7/9 (explosion proof)

For NEMA 4 and 4X applications, please note specific finish or material requirements:

NEMA 7/9 Class / Group:



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Electrical Specifications:

The Model 4693 Checkweigher is provided with a 240/480 3 Phase, 60 Hz. motor. The Checkweigher controller has connection for a 110 VAC, 60 Hz. power supply. Other voltages are available. Please select from the list below.

Controller Motor

- Standard 110 VAC, 60 Hz
- Standard 240/480 3 Phase, 60 Hz.
- 220 VAC Single Phase, 60 Hz.
- 380 VAC 3 Phase, 60 Hz.
- 220 VAC Single Phase, 50 Hz.
- 575 VAC 3 Phase, 50 Hz.
- Other: VAC Ph, Hz.

Mechanical Specifications:

The Model 4693 Checkweigher can be provided with a wide range of conveyor configurations to meet your specific application. Depending upon maximum product length, conveyor speed, and production rate, conveyors ranging from 28" overall length to more than 5'0" in length are available. The 4693 Checkweigher is normally provided with a 4'0" conveyor, with conveyors from 28" to 4'6" in length available without additional cost. The following page offers a variety of conveyor choices.

The Model 4693 Checkweigher weigh station conveyor and scale have a minimum combined height of 16" top of belt. Support stands are available from 2" thru 15'0".

- Support Stand Required Specify Conveyor Belt Height:

*Please note that all conveyors over 5'0" in height are required by OSHA to have side guards. Thompson Scale will include guards on all equipment over 5'0" in height.

A variety of optional conveyor configurations are also available:

- Up-right bag guides for open mouth bags.
 Specify type of guide contact surface: Painted Mild Steel Stainless Steel

- Power Curve conveyors. Standard power curve conveyors either 45 or 90 degree. Requires larger scale.

- Extra wide conveyor frame & belt. Specify belt width required:

- Transition Rollers. Bridges gap between Checkweigher conveyor and in feed and/or out feet conveyors for smooth transition of product onto and off of Checkweigher.



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- Small Box or Pail weigh station conveyor. Measures 28" overall length with a 12" wide conveyor belt.
- Pacing Conveyor. Our conveyor lengths and maximum production rates are based upon a leading edge to leading edge distance between packages equal to the Checkweigher conveyor length +2" or greater. If distances are less than this minimum, a pacing conveyor should be used to meter packages across the Checkweigher.

Reject Conveyor Options:

Thompson Scale offers a variety of reject devices to remove off-spec. packages from the production line. Choose the type of reject device best suited for your application.

- Drop nose reject conveyor 3' to 4' in length, minimum line height of 3'0".
- Side push reject conveyor ejects package 90° from conveyor flow;uses self-contained pusher air cylinder
- "Space Saver" reject conveyor uses rodless air cylinder mounted to 4'0" conveyor to push package.
- Combination Checkweigher/Rejector 4'0" in length, uses rodless pusher to eject package from the line. Limited conveyor speed & production rate
- Reject horn. Alerts operator to rejects

Options and Accessories:

The 4693 Checkweigher offers a number of accessories. These include production reporting & statistical analysis packages, remote digital and remote light displays, as well as options for special applications. Choose options below:

- Model STPR Statistical printer package
- Remote light display. 5 zone
- Empty package detection system
- Bar code scanner input
- 1" high remote digital display
- 2" high remote digital display
- 3" high remote digital display
- SPC interface (pulse or serial)