

Belt-Way Conveyor Belt Scales for Every Application

Easy to Install

The unique *Belt-Way* modular design is very simple to install. Patented load cell assemblies bolt to your existing idler. This eliminates removing the idler, jacking up the belt, or other mechanical alterations to your conveyor. The digital speed sensor installs easily on standard scale support pipes.

NEMA 4X Enclosure

Controls are housed in a NEMA 4X-fiberglass enclosure, featuring a full "o"-ring sealed waterproof door and corrosion-resistant hardware. An atomized metal interior coating protects against the harmful effects of electrostatic discharge from lightning, EMI and "RF" interference.

Inexpensive

Low cost is the result of versatility and simplicity of our modular design.

Self-Aligning

Load cell assemblies align automatically. Non-linearity associated with levers and torsion tubes, used in other scale designs, is eliminated.

Fits Any Width Conveyor

The *Belt-Way* modular design fits any width conveyor. The free-floating weigh bridge is suspended from 1-1/4" Pipes. Move the scale from one conveyor to another by simply adjusting the pipe length if necessary.

Simple, Rugged Design

Scale components are produced from heavy carbon steel. All steel parts are cleaned and painted to provide years of service. **Stainless Steel Construction** also available.

Low Maintenance

Material build-up on the scale produces inaccuracy. The low profile *Belt-Way* design reduces the potential for material build-up.



Low-Profile Model – Ideal for Portables



Low, Medium, and High Capacity Models Available



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Accuracy

The Patented *Belt-Way* load cell assembly houses OMIL certified Load Cells. Expected margin of error Using a Single Idler Weighing System is $\pm 0.5\%$ to $\pm 1\%$ (dual idler weighing systems $\pm 0.25\%$ to $\pm 0.5\%$) with belt loads from 25% to 100% of the rated scale capacity. Optimum scale performance requires conformance to installation and calibration guidelines.

Wiring Versatility

Power with 120VAC, 220VAC, 12VDC or 24VDC

Easy to Read Display

Our display provides four lines of information. It simplifies calibration and makes data easy to understand. Normal viewing provides accumulated weight, rate, belt speed and percent of load on the belt for either short tons or metric tons.

Production Tracking

Use this feature to record the amount of time the scale is running at, or above, your programmed rate.

RS-232 Serial Output

The RS-232 Serial Output connects to a modem (for remote production monitoring), a scoreboard display, Large LCD Display, or Printer.

Auto Zero

This standard feature automatically tracks the weight of the empty belt and idler to compensate for material build-up on the belt.

Master Total

Keep track of monthly, quarterly, yearly or job totals with easy to access Master Total. As daily totals are cleared, they are transferred to the Master Total. Maximum weight accumulation exceeds 92,000,000 tons.

Master Total

Belt-Way Scales are equipped with a built-in high speed computer network that will interface with a PC or *Belt-Way* remote display. This expandable network allows interconnection of up to 200 scales.

Junction Box (OPTION)

This option provides an easy way to mount the integrator up to 1,200 ft from the scale. It includes terminal strips and waterproof cord grips for easy field wiring.

Remote Start / Stop Station (OPTION)



This option allows you to start and stop a feeder conveyor from a remote location to load trucks, barges, and railcars. An automatic stop feature will stop feeding after reaching the selected preset weight for your load. You can connect a ticket printer to the system and print a ticket at the push of a button.

Ticket Printer (OPTION)

The surface mount printer provides a convenient way to print tickets for Load-Out or production records. Mounted in a NEMA 4X enclosure with quick release latches and clear Lexan window.



Automatic Angle Compensator (OPTION)



This unique option will maintain calibration when installed on a conveyor that is raised or lowered frequently. Simply bolt onto the frame of the conveyor to track changes in the conveyor's angle of elevation. The necessary changes in the controller's internal logic are performed automatically, maintaining proper calibration after (or while) moving the conveyor. This option is the most useful when a scale is mounted on a stacker or portable equipment. It can be added at any time.

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