Superior Belt Scale

Evaluate Inventory, Production Goals and Rail Car or Truck Loading

Quick Specs

- **Belt Widths:** 18" - 72"
- **Accuracy:** +/- 1% or +/- 0.5%
- **TPH:** Up to 3000*
  *(dependant on belt speed and idler spacing)

Frequently Asked Questions

What are the package options?

- Depending on your needs, you can purchase each of the following separately or together as a total package: WB or HD belt scale, PM1500 or PM2000 integrator and the speed sensor.

Where should I install the scale?

- If possible, it's best to install on the first half of the conveyor from the tail pulley. Installation should be at least 20 feet from your load zone and 40 feet from any curve up or down. The owner's manual is packed with more specific details to help get it right.

What if I already have a speed sensor?

- There is good news! In most cases, both the PM1500 and PM2000 are designed to recognize third party sensors. However, the SS-150 comes standard with the package.

HD Conveyor Belt Scale

Features and Benefits

Precision Accuracy

- +/- 1% accuracy or +/- 0.5% accuracy
- 2 independent load cells for greater accuracy
- **NOTE:** You can achieve (+/- ¼%) accuracy when using 2 HD scales in conjunction with one PM2000 monitor. (Dual idler option)

Ease of Troubleshooting

- Avoid replacing entire system if one cell is damaged
- Independent load cell read-outs allows you to easily see which load cell is malfunctioning

Fast and Easy Installation

- Easy clamping method secures scale package to conveyor frame
- Superior quality idler with 0.015" TIR tolerance and custom frame

Powerful Integration

- **PM2000** Limitless integration into existing in-plant controls
- **PM2000** Control the speed of the belt
- **PM1500 & PM2000** Save up to 8 totals
- **PM1500 & PM2000** Built-in inclinometer for use on variable incline conveyors

Speed Sensor

Belt Scales

Wide Belt Scale
- +/- 1% accuracy
- Up to 1,000 TPH
- 24" - 36" belt width is primary use
- 42" up to 750 TPH
- Two independent load cells wired in parallel for easy troubleshooting
- Independent weigh bridge brackets accommodate multiple belt widths
- Powder Coated

Heavy Duty Belt Scale
- +/- 0.5% accuracy
- Up to 3,000 TPH and beyond
- Two independent load cells wired in parallel for easy troubleshooting
- Continuous weigh bridge for increased accuracy and structural integrity
- Powder Coated

Integrators

PM1500
- Functions with either WB or HD belt scales
- Store up to eight resettable totals
- Diagnostics screen shows load cell readings independently
- Easy to operate touch screen menu
- Output for PLC integration
- 10-30VDC and 115VAC power

PM2000
- All the functionality of the PM1500
- Control the speed of the conveyor belt when used with a VFD
- Blend/rate controller uses one output for rate control or two outputs for blending product
- Customized and limitless in-plant controls
- 10-30VDC and 115VAC power
- Wireless options available

Speed Sensors

SS-150 Speed Sensor
- Easily mounts to a conveyor frame
- Adjusts to 24" - 36" belt width
- Use existing speed sensor if applicable