

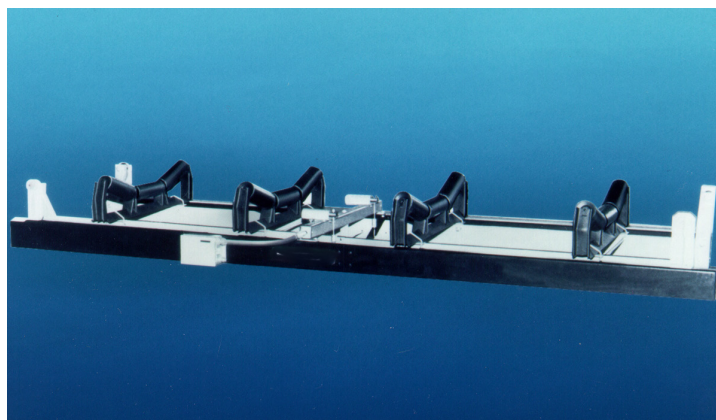
BX Series Belt Conveyor Scale

High accuracy and reliability in for rugged use



Features

- Easily installed with minimal field conveyor modifications
- Designed for belt widths from 35.56 to 243.84 cm [14 to 96 in]
- Rugged construction provides years of trouble-free service in the harshest environments
- No special tools required
- Fully assembled and tested prior to shipment
- Custom designs available



Design

The BX series belt conveyor scales combine high accuracy and reliability in a rugged, user-friendly design. Both the BX-2 and BX-4 feature high accuracy dual tension strain gauge load cell weighing technology in a proven approach retreat design. Each BX series belt scale suspension is designed to match existing stringer gauge and idler spacing, minimizing total installation time and cost.

Configuration:

- Model BX-4 (4 IDLER BRIDGE): Heavy-duty, four-idler approach and retreat design scale suspension.
- Model BX-2 (2 IDLER BRIDGE): Heavy-duty, two-idler approach and retreat design scale suspension.

Accuracy:

- Model BX-4 $\pm 1/4\%$ of totalized weight over a 3 to 1 range.
- Model BX-2 $\pm 1/2\%$ of totalized weight over a 3 to 1 range accuracy static weighing system.

Features:

Load Cell

Dual tension load cell weighing system eliminates lever systems and associated pivots and counter-balancing. Modern multiple load cell weighing system as applied in high accuracy static weighing systems.

Frame:

The suspension frame is made from flat stock with parallel guides, not cross-members. The result is a frame that is rigid enough to withstand heavy idler loads, but torsionally compliant to move with the conveyor. Suspended idlers thus maintain alignment with adjacent fixed idlers under operating conditions.

Speed Sensor:

Digital speed sensor with heavy-duty ball bearings including labyrinth and lip type seals.

Optional Equipment:

- Remote totalizers
- Remote rate indicators
- Chart recorders: circular or strip
- Predetermining counters
- Ticket or tape printers
- Calibration test weights
- Calibration test chains
- Storage devices for weights or chains