

Belt Weighers

High Speed - Multi Idler

BW2i & BW4i Models



Accurate
Reliable
Rugged

Inherently Stable Full Floating Weigh Frame

Dynamic Weighing Specialists

Solutions for weighing materials on the move

Belt Weigher Mechanical Features

- Full Floating Weigh Frame
- Macro and micro Roller adjustment
- Shear Beam Load Cells
- Trailing Wheel assembly with Speed Encoder
- Calibration racks

Optional:

- Weigh Quality Idlers
- Controller Display mounted in a field Enclosure
- Integrated Calibration Check Weights

Weigh Frame Construction

- Fabricated Mild Steel, or
- Stainless Steel

Surface Treatment Options

- Galvanised
- Epoxy paint system

Modular Digital Weigh Control System



Modweigh MW95 Controller Features

- Flowrate measurement
- Material Totalisation
- Totalised Pulsed Output
- Automatic Belt Zeroing
- 4 or 8 Programmable Digital Inputs
- 4 or 8 Programmable Digital Outputs
- Modbus communications
- independent RS232 & RS485 ports
- 4-20mA Flowrate Output
- Easy to use menu selection for settings
- Removable P-Module holds calibration settings
- Field Software Upgrades
- Customisable Graphics Display
- Operator lockouts
- Connect Multiple Transmitters to One Display
- 24Vdc power supply

Additional Options

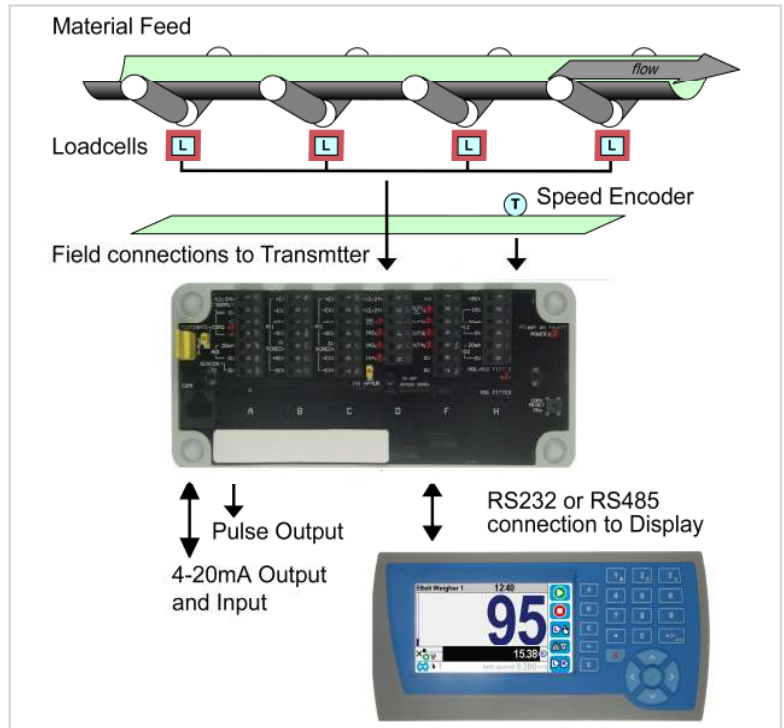
- Second 4-20mA (analogue) input/output card

General Specifications

Housing	Polycarbonate UV resistant
Operating temperature	-10°C to +40°C
Supply Voltage	10 to 32Vdc
Power (transmitter)	2.5VA @ 100mA load cell excitation current 4VA @ 250mA load cell excitation current

Active Weighing Solutions Belt Weighers are precision Electronic Weighers which can be easily installed onto the carry side of most existing conveyors.

The Belt Weigher is designed for use in continuous heavy duty situations and will perform well in harsh, dirty, and moist environments. It will weigh any bulk solid material the conveyor belt will carry and, kept clean of material obstructions, will provide ongoing accurate and reliable weighing.



Operating Principles

Belt Weigher are designed for specific applications, taking into account material loading, throughput, belt speed etc

The Weigh Frame is mounted to the conveyor stringers and is constructed to provide complete stability and minimal deflection under load.

The weight of product, belt, idlers and the frame is transferred through the Weigh Deck to a Precision Strain Gauge Load Cell. The weighed load is converted to a proportional electrical output and displayed by the controller in the required units eg tonnes, and tph / kg and kg/hr..

Accuracy

- BW2i Two Idler Belt Weigher ± 0.5 to $\pm 1.0\%$.
- BW4i Four Idler Belt Weigher - better than $\pm 0.5\%$.

Flow Rate

- Standard - Flowrates up to 5,000tph
- Contact us for higher rates

Dimensions

- Suits Belt Widths- 600 to 3,000mm
- Typical Idler spacing of 1m will provide a platform length of 4m.



Typical Multi Idler Belt Weigher Design

FOR SPECIFIC APPLICATIONS CONTACT ACTIVE WEIGHING SOLUTIONS OR OUR REPRESENTATIVE.
Active Weighing Solutions is continually improving the design of its products and reserves the right to make alterations without prior notification.



Active Weighing Solutions
Unit 2, 41-49 Norcal Road
Nunawading, Victoria 3131
P.O. Box 338, Box Hill
Victoria 3128 Australia

Telephone: +61 3 9873 7677
Facsimile: +61 3 9873 7655
Email: enquiries@activeweighing.com.au
Website: www.activeweighing.com.au