



Series:BST100
Model: M10-BL

Analog Loadcell Signal Port
Digital Loadcell Signal Port
PID Ration Feeding Control

Main Applications

- Belt Weigher with Weight Totalizing.
- Ration Belt Weighfeeder with Ration Flow Feeding.
- Loss-in-weight Weighfeeder with Ration Flow Feeding.

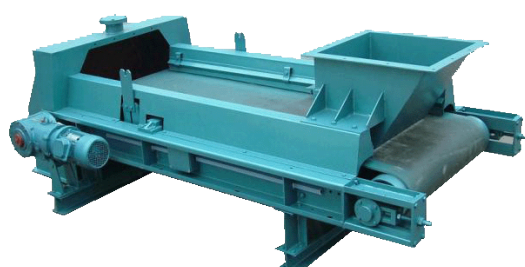
Main Features

- EMC design with high anti-jam for industrial environment.
- DC24V power input with reverse polarity protection.
- Cortex-A8 CPU with 600MHz Clock, 128M Flash.
- 7" [800×480] TFT touch panel.
- 24bit $\Sigma - \Delta$ ADC with internal resolution 1/1,000,000.
- High sampling frequency 400Hz.
- Special Anti-vibration Digital Filtering Algorithm for precise weighing, stable display and rapid response.
- Zero Calibration & Auto Zero Tracking.
- Span Calibration & Segmenting Correction.
- Speed Calibration & Belt Length Calibration.
- The feeder and belt weigher can be controlled by DI&DO.
- Quick and steady PID ration feeding control.
- Queryable Records per shift/day/month of a year.
- Definable DI/DOAO/COM[Communication Port].

Technical Specifications

- Power Supply: DC24V \pm 20%, Max. 10W.
- Loadcell Excitation Voltage/Current: DC10V/250mA.
- 8 Loadcells[350 Ω] connectable.
- Weighing Signal Input Range: 0~25mV.
- Speed Sensor Excitation Voltage/Current: DC12V/100mA.
- Speed Signal Input Range: 0.5~3000Hz.
- 9 Normally Open Switch Inputs [DI].
- 12 Normally Open Transistor Outputs [DO]: DC24V, 500mA.
- 3 'PID Control' Analog Output [AO]: 4~20mA, 0.05%FS.
- 1 'Flow Set' Analog Input [AI]: 4~20mA, 0.05%FS.
- COM1: RS232&RS485.
- COM2: Digital loadcell signal input port.
- COM3: Optional RS232/RS485/RS422/Profibus-DP/Ethernet / Wireless Module.
- COM1/COM3: Connect Host IPC, Remote Display & Printer.
- Outline Size [W×H×D]: 204 × 150 × 50 mm.
- Panel Cut-out Size [W×H]: 192 × 138 mm.
- Operating Temperature: -25°C~+45°C.
- Protection Level of Front Panel: IP65.
- Accuracy Grade: 0.5.
- Accuracy of Flow Control: 0.5%~1.0%.

High-frequency Sampling Anti-vibration Filter High-accuracy Weighing Real-time Alarm Output



Belt Weighfeeder



Loss-in-weight Weighfeeder