BST100-E81　　　　Belt/Loss-in-weight Weighfeeder Controller

Main Applications

◆ Belt Weigher with Weight Totalizing.

◆ Ration Belt Weighfeeder with Ration Flow Feeding.
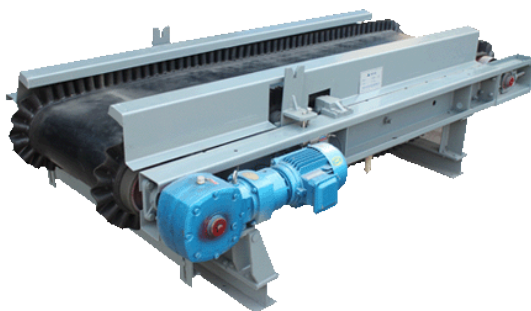
◆ Loss-in-weight Weighfeeder with Ration Flow Feeding.

Main Features

◆ EMC design with high anti-jam for industrial environment.

◆ DC24V power input with reverse polarity protection.

◆ 32-bit ARM CPU with 72MHz clock & high arithmetic speed.

◆ 128×64 LCD display screen with 7 background colors.

◆ 24-bit $\Sigma-\triangle$ 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±20%, Max. 10W.

◆ Loadcell Excitation Voltage/Current: DC10V/250mA.

◆ 8 Loadcells[350Ω] connectable.

◆ Weighing Signal Input Range: 0~25mV.

◆ Speed Sensor Excitation Voltage/Current: DC12V/100mA.

◆ Speed Signal Input Range: 0.5~3000Hz.

◆ 3 Normally Open Switch Inputs [DI].

◆ 4 Normally Open Relay Outputs [DO]: AC250V/DC24V, 1A.

◆ 1 'Totalized Weight' Pulse Output [PO]: DC5~24V, 100mA.

◆ 2 'PID Control' Analog Output [AO]: 4~20mA, 0.05%FS.

◆ 1 'Flow Set' Analog Input [AI]: 4~20mA, 0.05%FS.

◆ COM1: Optional RS232/RS485/RS422/Profibus-DP/Ethernet.

◆ COM2: RS232.

◆ Connect Host IPC, Remote Display, Printer&Wireless Module.

◆ Outline Size [W×H×D]: 288 × 95 × 189 mm.

◆ Panel Cut-out Size [W×H]: 281 × 88 mm.

◆ Operating Temperature: -25℃～+45℃.

◆ 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　　Precise Flow Control

Ration Belt Weighfeeder

Loss-in-weight Weighfeeder