



Series:BST106

Model: B68-U

Ration Batching Controller

Main Applications

- 4-Material Ration Batching Scale.

Main Features

- EMC design with high anti-jam for industrial environment.
- DC24V power input with reverse polarity protection.
- 32-bit ARM CPU with 48MHz clock & high arithmetic speed.
- 6+8 Red LED digital tubes for English&digit display.
- 24-bit $\Sigma - \Delta$ 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.
- Auto Zero Tracking.
- Fall Value Auto Correction.
- Auto Re-feed for Negative Deviation Alarm.
- Target Batch Count Control.
- Auto Pause for Gross Weight Upper Limit & Deviation Alarm.
- 'Manual Pause' Operation.
- Batching Process Power-off Protection.
- 2-speed[high/low] feeding control by DOs or AOs.
- Definable AO/COM(Communication Port).
- Recipe Number: 1.

Technical Specifications

- Power Supply: DC24V $\pm$ 20%, Max. 5W.
- Loadcell Excitation Voltage/Current: DC9V/120mA.
- 4 Loadcells(350 Ω) connectable.
- Weighing Signal Input Range: 0~22.5mV.
- 6 Normally Open Switch Inputs (DI).
- 8 Normally Open Transistor Outputs (DO): DC24V, 250mA.
- 1 Analog Signal Output (AO): 4~20mA, 0.05%FS.
- COM1: RS232.
- COM2: RS485.
- Connect Host IPC(Modbus) & Remote Display.
- Outline Size (W×H×D): 110 × 62 × 150 mm.
- Panel Cut-out Size (W×H): 94 × 47 mm.
- Operating Temperature: -25°C~+45°C.
- Protection Level of Front Panel: IP65.
- Accuracy Grade: III.
- Verification Accuracy: 0.03%.
- Static Weighing Accuracy: 0.2%~0.5%.
- Batching Accuracy: 0.2%~0.5%.

High-frequency Sampling Anti-vibration Filter High-accuracy Weighing Precise Feeding Control



dCX-61-BST106-B68[U]EX [Explosion-proof/IP65/243×214×151mm]



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