



Series:BST106
Model: B60S-C

Mini Crane Overload Protection Controller

Main Applications

- Crane (Wheel Crane, Travelling Crane, Frame Crane, Bridge Crane and so on) Overload Protection.
- Sound-light Pre-alarm for Weight High Limit.
- Delay-stop for Weight Higher Limit.
- Emergency-stop for Weight Highest Limit.

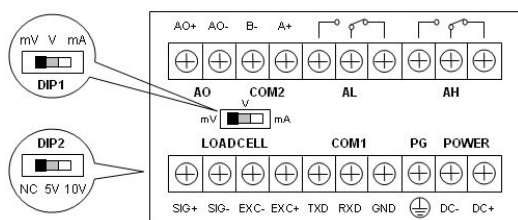
Main Features

- 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.
- 5 Red LED digital tubes for English&digit display.
- 24-bit $\Sigma-\Delta$ ADC with internal resolution 1/1,000,000.
- High sampling frequency 640Hz.
- Special Anti-vibration Digital Filtering Algorithm for precise weighing, stable display and rapid response.
- Auto Zero Tracking.
- Load Calibration & Data Calibration.
- Definable AO/COM(Communication Port).

Technical Specifications

- Power Supply: DC24V $\pm$ 20%, Max. 5W.
- Loadcell Excitation Voltage/Current: DC5V/120mA.
- 8 Loadcells(350 Ω) connectable.
- Transmitter Excitation Voltage/Current: DC12V/100mA.
- Optional weighing input signal mV, V and mA.
- 【mV】 Signal Input Range: 0~19.5mV.
- 【V】 Signal Input Range: 0~2.5V, 0~5V, 0~10V.
- 【mA】 Signal Input Range: 0~20mA.
- 2 Normally open/closed Relays (DO): AC250V/DC24V, 1A.
- 1 Analog Signal Output (AO): 0~20mA, 0.05%FS.
- COM1: RS232.
- COM2: RS485.
- Connect Host IPC(Modbus) & Remote Display.
- Outline Size (W×H×D): 107 × 60 × 100 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 / Force Measuring Accuracy: 0.2%~0.5%.

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



Signal Terminal



Crane Overload Protection