

Main Applications

- ◆ Suitable for Hopper Scale, Platform Scale, Ration Feeding Scale with Single-material & Single-speed Feeding and Ration Batching Scale with 3-Material & Double-speed Feeding.
- ◆ B21EX/C21EX: For Explosion gas environment: Zone 1&2; Classes of explosion gas mixture: IIA, IIB; Temperature grades of explosion gas mixture: T1~T6; Ex-mark: ExdII BT6 Gb.

Main Features

- ◆ EMC design with high anti-jamming capability, suitable for industrial environment.
- ◆ 24-bit $\Sigma-\Delta$ ADC with internal resolution 1/1,000,000 and sampling frequency 200Hz.
- ◆ Special anti-vibration digital filtering algorithm for ensuring the weighing stability and accuracy when there is strong vibration on the load receptor, and the rapid response capability when the weight signal changes.
- ◆ Optional Data Calibration function.

Technical Specifications

- ◆ Power Supply 1: DC24V $\pm$ 20%, Max. 10W.
- ◆ Power Supply 2: AC220V $\pm$ 15%, 50/60Hz, Max. 10W.
- ◆ B Series: 6 Red LED digital tubes for English character and digit display; 64-segment LED for percent display.
- ◆ C Series: 6 Green VFD digital tubes for English character and digit display.
- ◆ Excitation Voltage / Max. Current: DC10V/250mA [8 350 Ω - loadcells].
- ◆ Weighing Signal Input Range: 0~25mV.
- ◆ 1 Optional&Definable Analog Signal Output [AO: 4~20mA, 0.05%FS].
- ◆ 3 Normally open switch inputs [DI] and 4 normally open relay switch outputs [DO: AC250V/DC24V, 1A].
- ◆ COM1: Fixed configuration RS232&RS485, free to use one of them; COM2: Optional RS232/RS485/RS422/Profibus-DP/Ethernet; For connecting Host IPC/PLC [Modbus], LED Remote Display, Serial Printer and Wireless Module.
- ◆ Outline Size [W×H×D]
 - ◇ B11/C11: 160 × 84 × 188 mm.
 - ◇ B21/C21: 202 × 305 × 90 mm.
 - ◇ B21EX/C21EX: 340 × 390 × 205 mm.
- ◆ Panel Cut-out Size [W×H]
 - ◇ B11/C11: 151 × 76 mm.
- ◆ Operating Temperature: -25℃~+40℃.
- ◆ Protection Level
 - ◇ B11/C11[Front Panel]: IP65.
 - ◇ B21/C21/B21EX/C21EX: IP65.
- ◆ Accuracy Grade: III.
- ◆ Verification Accuracy: 0.02%.
- ◆ Batching Accuracy: 0.2%~0.5%.



BST106-B11



BST106-B21



BST106-C21



BST106-C11

Typical Applications

Years of Field Application Stable & Reliable Performance



dCX-61-BST106-B21EX



Material Level Detection



dCX-61-BST106-C21EX