

## Main Applications

- \* Suitable for Ration Belt Weighfeeder with Ration Flow Feeding & Ration Weight Batch Control.
- \* A21EX/B21EX: 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.
- \* The feeder and belt weigher can be started and stopped by DI&DO signal.
- \* Quick and steady PID for ration feeding control available.

## Technical Specifications

- \* Power Supply: AC220V $\pm$ 15%, Max. 15W.
- \* 32-bit ARM CPU with 72MHz clock & higher arithmetic speed.
- \* A Series: 128 $\times$ 64 LCD display screen with 7 background colors for English/Chinese display; 4+4 Red LED digital tubes for digit display [Model Panel-mounting].
- \* B Series: 8+4+4 Red LED digital tubes for English character and digit display.
- \* Loadcell Excitation Voltage / Max. Current: DC10V/250mA [8 350 $\Omega$ - loadcells].
- \* Weighing Signal Input Range: 0~25mV.
- \* Speed Sensor Excitation Voltage / Max. Current: DC12V/100mA.
- \* Speed Signal Input Range: 0.5~3000Hz.
- \* 1 Optional 'Flow Setpoint' analog signal input [AI: 4~20mA, 0.05%FS].
- \* Max.3 definable 'Flow/Control Current /...' analog signal outputs [AO: 4~20mA, 0.05%FS].
- \* 3 Definable normally open switch inputs [DI] and 4 definable normally open relay switch outputs [DO: AC250V/DC24V, 1A].
- \* 1 'Totalized Weight High-speed Pulse' output [PO: DC5~24V, 100mA].
- \* COM1: Optional RS232/RS485/RS422/Profibus-DP/Ethernet; COM2: RS232; For connecting Host IPC/PLC[Modbus], LED Remote Display, Serial Printer and Wireless Module.
- \* Outline Size [W $\times$ H $\times$ D]
- \* A11/B11: 160  $\times$  84  $\times$  188 mm.
- \* A21/B21: 202  $\times$  305  $\times$  90 mm.
- \* A21EX/B21EX: 340  $\times$  390  $\times$  205 mm.
- \* Panel Cut-out Size [W $\times$ H]
- \* A11/B11: 151  $\times$  76 mm.
- \* Operating Temperature
- \* A Series: -20 $^{\circ}$ C~+40 $^{\circ}$ C.
- \* Bseries: -25 $^{\circ}$ C~+40 $^{\circ}$ C.
- \* Protection Level
- \* A11/B11[Front Panel]: IP65.
- \* A21/A21EX/B21/B21EX: IP65.
- \* Accuracy Grade: 0.5.
- \* Accuracy of Flow Control: 0.5%~1.0%.



**BST100-A11**



**BST100-A21**



**DCX-61-BST100-A21EX**



**BST100-B11**

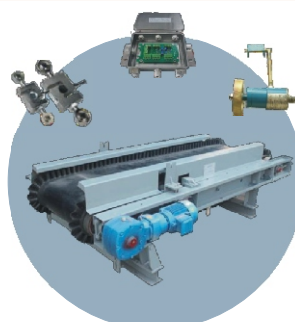
Typical Applications

Years of Field Application

Stable & Reliable Performance



**BST100-B21**



**Belt Weigh Feeder**



**DCX-61-BST100-B21EX**