

BC580

Packing Scale Controller

BC580 is a general quantitative weighing controller adopting embedded 32-bit M3 core platform, dedicated to industrial weighing processes. The instrument based on ALL-IN-ONE design concept, integrated high resolution, flexible control flow, rich communication interfaces and friendly HMI in one, is widely used in metallurgy, chemical industry, building materials, paint, food and feed, beverage, ports and other sectors of packaging, drum-filling, dosing, bulk materials, ingredients and other occasions.



Features:

- ✧ 20 groups of material setpoints records
- ✧ Automatic and manual accumulation
- ✧ Modify parameters with non-stop
- ✧ Fast, medium and slow feeding control
- ✧ 2 level fast adaptive filtering
- ✧ Rapid response, improve the packing speed above 20%
- ✧ Support dual-hopper scale
- ✧ Support weigh-out dosing application
- ✧ Batch and volume preset function
- ✧ Automatic refill(in dosing mode)
- ✧ Feeding and discharge interlock
- ✧ Automatic spill correction
- ✧ Automatic flap bag(in powdery packing scale)
- ✧ Smart setpoint learning function
- ✧ Multilingual menu-tree GUI
- ✧ 2 USARTs(1x RS485, 1x RS232)
- ✧ Optional Profibus DP interface

Specification:

Enclosure	Panel Mount. Front plate: SS304, IP65. Case: Anodized Aluminum		
Run Mode	Packing Scale, Dual-hopper Scale, Bulk filling, Dosing, Drum Filling,		
Signal Range	-20mV~+20mV	Increments	$1,2,5 \times 10^n$ (n=-4 ~1)
Max. Sensitivity	0.2uV/d	Max. Resolution	1/100,000
FS Drift	3ppm/°C	Linearity	0.0005%FS
AD Refresh Rate	>200Hz	Cells Load	Eight (8) 350 ohm load cells
Display	128x64 Yellow-Green OLED display		
Keypad	16 Flat switch membrane with tactile-feel keys; polyester overlay		
Discrete I/O	10 Inputs; 12 Outputs(24VDC @500mA with over-load protection)		
USART	COM1: RS232; COM2: RS485		
Serial Protocol	MODBUS-RTU, Command output, Print, Continuous Output		
Option	A001: 4~20mA/0~10V; P001: PROFIBUS DP		
Power Supply	100~240VAC, 50/60Hz, <100mA(@100VAC)		
Operating Temperature	-10°C ~ +40°C, Relative humidity:10%~90%, non-condensing		

Dimensions(mm): 186×102×154 Cutout: 162×78

