BC360L
Weighing Indicator

BC360L series general weighing controller is embedded with all kinds of basic weighing setpoint control sequences. This feature makes it possible to be applied in most industrial weighing fields with economical cost spending. The real-time weighing signal can be converted into standard industrial communication signals, integrating field display and remote transmission, quantitative control and setpoint comparison at the same time, widely used in metallurgy, chemical industry, building materials, feed, textile, labs, material force analysis and other industries.

Features:

◎ Compact Panel Mount structure, save installation space
◎ New generation of embedded high speed processor, strong on anti-interference
◎ Optimized digital filter and quick following technology
◎ 4~20mA/0~10V analog out available
◎ Over/under limit alarming
◎ Embedded material transfer control
◎ Embedded Setpoint comparison function

◎ Check-weigh control
◎ Auto zero tracking available
◎ Power up zero available
◎ Isolated RS232/RS485 serial interface
◎ Standard MODBUS RTU protocol
◎ DC24V power supply

Selection Configuration:

Model	P.N	Description
BC360L1	20000263	Panel, 2-in, 3 Relays Outputs, RS232/RS485, Red LED , 24VDC
BC360L2	20000264	Panel, 2-in, 3 Relays Outputs, RS232/RS485, 4~20mA/0~10v, Red LED , 24VDC
BC360L3	20000265	Panel, 2-in, 3 Relays Outputs, RS232/RS485, Profibus DP, Red LED , 24VDC
BC360L1(AC)	22000317	Panel, 2-in, 3 Relays Outputs, RS232/RS485, Red LED , 220VAC
BC360L2(AC)	22000318	Panel, 2-in, 3 Relays Outputs, RS232/RS485, 4~20mA/0~10v, Red LED , 220VAC

Enclosure Dimensions(mm): 110×62×92.5
Cutout Dimensions(mm): 46×93

Specification:

Enclosure	Front plate: SS304 , IP65. Case: Aluminum
Run Mode	2-speed material transfer mode, Setpoint comparison, Over/under, Check weigh, Reduction weigh, Peak force measurement, Gross/net fill

Signal Range	-20mV~+20mV	Increments	$1,2,5 \times 10^n$ (n=-3 ~1)
Max. Sensitivity	0.5uV/d	Max. Resolution	1/100,000
FS Drift	3ppm/°C	Linearity	0.003%FS
AD Refresh Rate	50~200Hz	Cells Load	Six (6) 350 ohm load cells

Display	7-digit 0.4' segment LED
Keypad	4 tactile-feel keys; polyester overlay
Discrete I/O	2 Inputs; 3 Outputs(220VAC @ 5A)
USART	COM1: RS232; COM2: RS485
Serial Protocol	MODBUS-RTU, Command output, Continuous Output
Option	4~20mA/0~10V, Profibus DP
Power Supply	18~30DCV, 60mA
Operating Temperature	10°C ~ +40°C, Relative humidity: 10%~90%, non-condensing
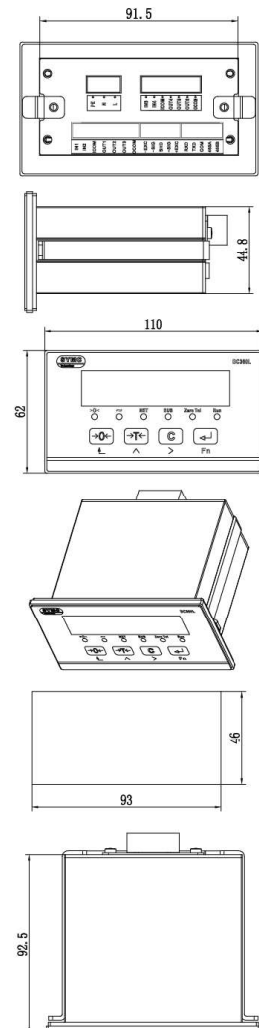
BC360LB
Batch Weighing Controller

BC360LB is a batch weighing controller designed for simple/small batching station application. This controller has small size and easy to operation. With minimum wiring and assembly work the technician can realize 1~3 ingredients precisely batching and dump control. The controller can work as a standalone batching equipment also can be networked with PLC or SCADA system realizing remote monitor and control.

Features:

◎ 1~3 ingredients batching
◎ Compact Panel Mount structure
◎ 4 opto inputs & 6 Relay Outputs
◎ Auxiliary Setpoint Comparison

◎ Cal-Free Calibration
◎ Auto zero tracking available
◎ Power-up zero available
◎ Isolated RS232 + RS485 serial interface

◎ Standard MODBUS RTU protocol
◎ Print report
◎ 24VDC or 100~240VAC power supply

Selection Configuration:

| Model	P.N	Description
BC360Lb-3	22000322	Panel, 4-in, 6 Relays Outputs, RS232/RS485, Red LED, 24VDC
BC360Lb-3(AC)	22000323	Panel, 4-in, 6 Relays Outputs, RS232/RS485, Red LED, 220VAC
BC360Lb-6	22000324	Panel, 4-in, 6 Relays Outputs, RS232/RS485, Red LED, 24VDC
BC360Lb-6(AC)	22000325	Pancl, 4-in, 6 Relays Outputs, RS232/RS485, Red LED, 220VAC

Enclosure Dimensions(mm): 110×62×92.5
Cutout Dimensions(mm): 46×93

Specification:

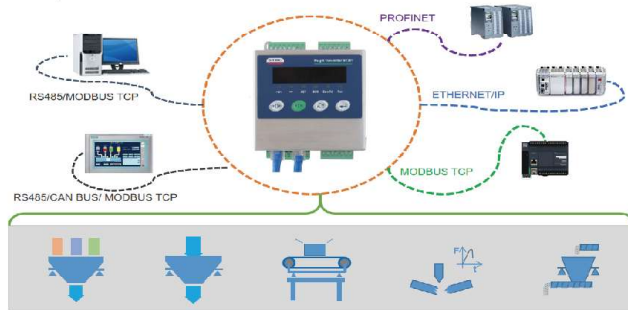|			
Enclosure	Front plate: SS304 , IP65. Case: Aluminum		
Run Mode	1~3 ingredient batching, 6-setpoint control		
Signal Range	-20mV~+20mV	Increments	$1,2,5 \times 10^n$ (n=-3 ~1)
Max. Sensitivity	0.5uV/d	Max. Resolution	1/100,000
FS Drift	3ppm/°C	Linearity	0.003%FS
AD Refresh Rate	50~200Hz	Cells Load	Six (6) 350 ohm load cells
Display	7-digit 0.4' segment LED		
Keypad	4 tactile-feel keys; polyester overlay		
Discrete I/O	4 Inputs; 6 Outputs(220VAC @ 5A)		
USART	COM1: RS232; COM2: RS485		
Serial Protocol	MODBUS-RTU, Print, Continuous Output		
Option	N/A		
Power Supply	18~30VDC or 100~240VAC available		
Operating Temperature	10°C ~ +40°C, Relative humidity: 10%~90%, non-condensing		
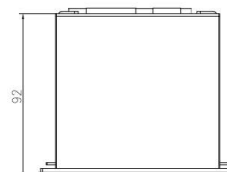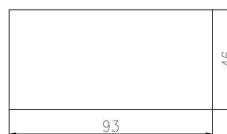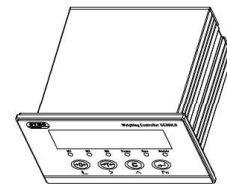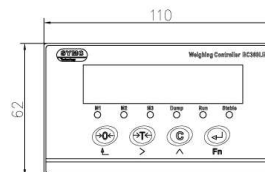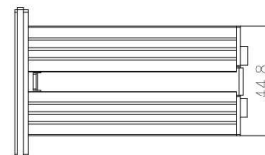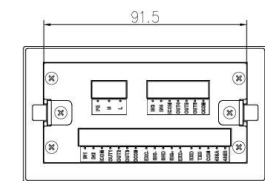
BC361
Weighing Controller

BC361 is a new-designed dynamic weighing terminal with high-performance. The terminal's internal A/D sample and process rate can be configured up to 1600Hz and the weight signal refresh rate reach max 100Hz via field bus. The mainly supported field bus includes Ethernet/IP, Profinet, MODBUS TCP besides RS485 or CAN BUS. The terminal is ideally suited for the application such as dynamic check-weighing, weigh-in and weigh-out, accurate ingredients batching, fatigue force test, etc.

Features:

◎ Hi-speed A/d sample
◎ Compact Panel or DIN_RAIL structure
◎ Checkweigh, Weigh-in/Weigh-out, Setpoint
◎ Optional field bus: Ethernet/IP/ Profinet/ MODBUS TCP
◎ Optional RS485 or CAN BUS
◎ Cal-Free Calibration
◎ Auto zero tracking available
◎ Power-up zero available
◎ Standard MODBUS RTU protocol
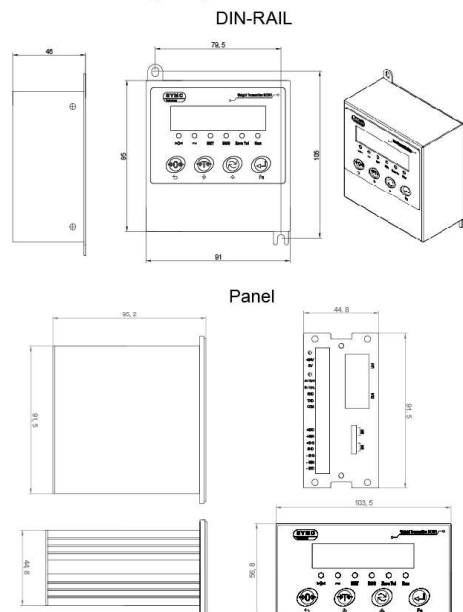◎ 24VDC power supply

Model Configuration:

Code	61	8	N	1	D	0	00
Segment	1	2	3	4	5	6	7

Segment	Code	Description
1	61	Model: BC361
2	8	Fieldbus option 1: 8-RS485 C-CAN interface 0-None
3	N	Fieldbus option 2: E-Ethernet/IP N-Profinet K-CC-LINK A-EtherCAT M-Modbus TCP 0-None
4	1	DIO option: 0- none 1- 6 inputs&6-outputs 2- 8 inputs&8-outputs
5	D	Enclosure: D-DIN-Rail P-Panel H-Harsh
6	0	Function module: 0
7	00	Region code: 00-China domestic 08-General

Specification:

Enclosure	Panel: SUS304 + Aluminum; DIN-RAIL: SUS304		
Run Mode	Check-weigh, Weigh-in/Weigh-out, Setpoint		
Signal Range	-20mV~+20mV	Increments	1,2,5 x 10^n (n=-4 ~1)
Max. Sensitivity	0.1uV/d	Max. Resolution	1/500,000
FS Drift	3ppm/°C	Linearity	0.003%FS
AD Refresh Rate	100Hz~1600Hz	Cells Load	Four(4) 350ohm load cells
Display	6-digit 0.4' segment LED		
Keypad	4 tactile-feel keys; polyester overlay		
Discrete I/O	6xDI, 6x DO		
USART	COM1: RS232; COM2: RS485(Optional)		
Serial Protocol	MODBUS-RTU, Print, Continuous Output		
Option	CAN-BUS/Profinet/Ethernet IP/MODBUS TCP		
Power Supply	18~36VDC, <0.15A		
Operating Temperature	10°C ~ +40°C, Relative humidity: 10%~90%, non-condensing		

Dimensions(mm):

DIN-RAIL

Panel

BC580E
Weight Controller

BC580E series weight controller is suitable for those have multiple weighing nodes and limited cabinet space industrial occasions. The real-time weighing signal can be converted into standard industrial communication signals, integrating field display and remote transmission, quantitative control and set-point comparison at the same time, widely used in metallurgy, chemical industry, building materials, concrete, feed and other industries.

Features:

◎ Compact Panel Mount structure, save installation space
◎ New generation of embedded high speed processor, strong on anti-interference
◎ Optimized digital filter and quick following technology
◎ 16-bit precision DA output, 4~20mA/0~10V available
◎ Embedded material transfer control
◎ Embedded Setpoint comparison function

◎ Auto zero tracking available
◎ Power-up zero available
◎ Isolated RS232/RS485 serial interface
◎ Standard MODBUS RTU protocol
◎ Optional Profibus DP interface

Selection Configuration:

| Model	P.N	Description
BC580.E1	22000290	Panel, 1 inputs 4 outputs, RS232/RS485, DC24V
BC580.E2	22000292	Panel, 1 inputs 4 outputs, RS232/RS485, DC24V, Analog Output
BC580.E3	22000293	Panel, 1 inputs 4 outputs, RS232/RS485, DC24V, PROFIBUS DP
BC580.E4	22000291	Panel, Four material batching, 4inputs12 outputs, RS232/RS485, DC24V

Enclosure Dimensions(mm): 110×62×131
Cutout Dimensions(mm): 46×92
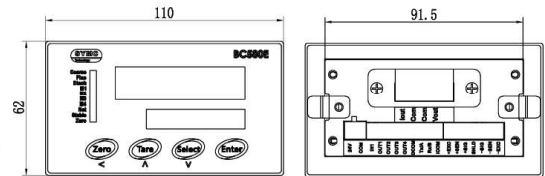
Specification:

Enclosure	Panel Mount. Front plate: SS304, IP65. Case: Anodized Aluminum		
Run Mode	2-speed material transfer mode, Setpoint comparison		
Signal Range	-20mV~+20mV	Increments	$1,2,5 \times 10^n$ (n=-3 ~1)
Max. Sensitivity	0.5uV/d	Max. Resolution	1/50,000
FS Drift	3ppm/°C	Linearity	0.003%FS
AD Refresh Rate	200Hz	Cells Load	Six (6) 350 ohm load cells
Display	6-digit 0.4' segment LED, 6-digit 0.28'segment LED, 10-bit LED light bar		
Keypad	4 Flat switch membrane with tactile-feel keys; polyester overlay		
Discrete I/O	1 Inputs; 4 Outputs(24VDC @500mA with over-load protection)		
USART	COM1: RS232 / RS485		
Serial Protocol	MODBUS-RTU, Command output, Print, Continuous Output		
Option	E2: 4~20mA/0~10V; E3: PROFIBUS DP		
Power Supply	18~30VDC, 160mA		
Operating Temperature	10°C ~ +40°C, Relative humidity: 10%~90%, non-condensing		
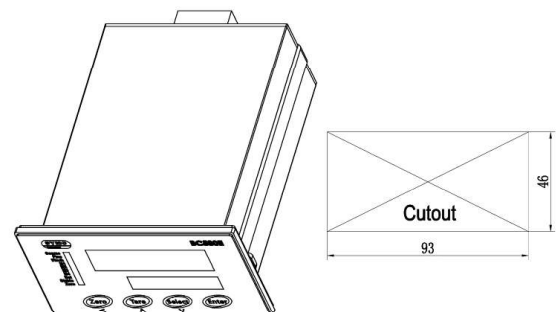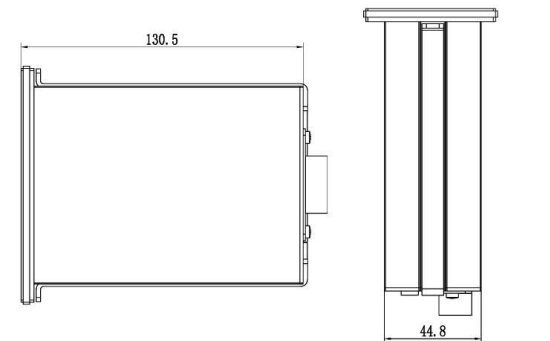
BC500A
Impact Plate Flow Controller

BC500A impact plate flow controller is designed for impact plate flow balance or flow meter products. Impact plate flow meter can automatically maintain a prespecified throughput of free-flowing bulk material. It has advantages as overload protection, continuous feeding, long-term stability and easy maintenance. Widely used in gravimetric proportioning of blending different material varieties application of food, feed, electric power, mining, chemical, cement, metallurgy and other fields.

Features:

◎ Fast and accurate continuous constant feeding control
◎ Operating modes: 1. constant flow control; 2. Constant level control; 3. Quantitative feeding with constant flow
◎ Compatible with pneumatic or electric actuators
◎ Continuous feeding
◎ Cumulative error<0.5% (depending on the equipment and material characteristic)
◎ Support for Remote/Local switching and Manual/Auto switching on panel
◎ Rich information include instantaneous flow rate, setting value and cumulative total in one screen

◎ Real-time status monitoring and alarm chain algorithm
◎ Real-time monitoring cell's load ratio. easy maintenance, and troubleshooting
◎ Standard MODBUS RTU protocol for easy access to SCADA or DCS system
◎ Profibus DP interface option available

Selection Configuration:

Model	P.N	Description
BC500.A1	22000182	Panel, 10 Inputs; 12 Outputs, RS232/RS485
BC500.A2	22000183	BC500.A1+4~20mA
BC500.A3	22000185	BC500.A1+Profibus DP

Specification:

Enclosure	Panel Mount. Front plate: SS304, IP65. Case: Anodized Aluminum		
Run Mode	Constant feeding, Material level Balancing, Batch feeding		
Signal Range	-20mV~+20mV	Max. Sensitivity	0.2uV/d
Max. Sensitivity	5V	Inner Division	2,000,000
FS Drift	350Ω	Dec.point	0, 1, 2, 3
AD Refresh Rate	EN50081-1, Class B	EMI	EN50082-2
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		
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		

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

SYMC
Technology
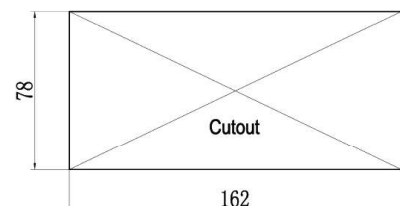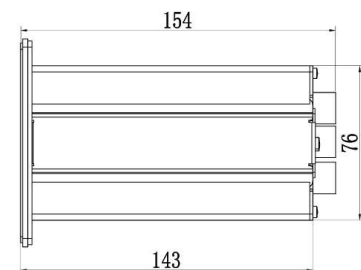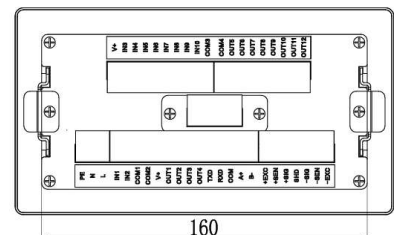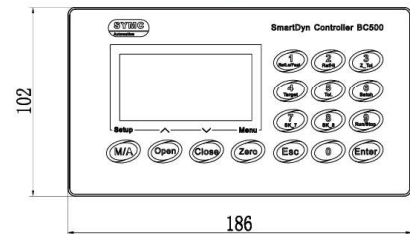
BC500F
Loss-In-Weigh Controller

BC500.F Loss-In-Weigh controller is suitable for the constant feeding machinery with screw feeder. The LIW constant feeding machine Equipped with this controller brings significant benefits with long-term stability, high measuring accuracy, non-stop mending, constant feeding, and smooth flow rate control.

Features:

◎ Fast and accurate continuous constant feeding control
◎ Operating modes: 1. constant flow control; 2. Constant level control; 3. Quantita tive feeding with constant flow
◎ 4~20mA or 0~10V regulator output
◎ Control method: 1. Smart Zone; 2.Optimized PID
◎ Intelligent system learning and rapid self-tuning
◎ Non-stop mending
◎ Support for Remote/Local switching and Manual/Auto switching on panel

◎ Rich information include instantaneous flow rate, setting value and cumulative total in one screen
◎ Real-time status monitoring and alarm chain algorithm
◎ Real-time monitoring cell's load ratio. easy maintenance, and trouble shooting
◎ Standard MODBUS RTU protocol for easy access to SCADA or DCS system

Selection Configuration:

| Model	P.N	Description
BC500F	22000188	Panel, Chinese or English display, Suitable for single-machine integrated weightlessness
BC500F-C	22000296	Installation in cabinet, no panel, suitable for multi-component weightless weighing system
BC500FM	22000329	2 analog output, 1 analog input

Specification:

Enclosure	Panel Mount. Front plate: SS304, IP65. Case: Anodized Aluminum		
Run Mode	Constant feeding, Material level Balancing, Batch feeding		
Signal Range	-20mV~+20mV	Max. Sensitivity	0.2uV/d
Max. Sensitivity	3ppm/°C	Linearity	0.0005%FS
FS Drift	kg/h, t/h	Dec.point	0, 1, 2, 3
AD Refresh Rate	Zone Adj. / PID Adj.	Max Quantity	<99,999,999t
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	4~20mA/0~10V		
Serial Protocol	COM1: RS232; COM2: RS485		
Option	MODBUS-RTU		
Power Supply	100~240VAC, 50/60Hz, <100mA(@100VAC)		
Operating Temperature	10°C ~ +40°C, Relative humidity: 10%~90%, non-condensing		

◎ Choose External Profibus DP accessory can easily access Profibus DP network. Order No: SY-PB-MD-58.

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

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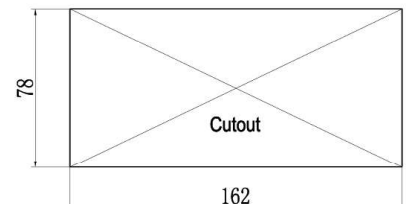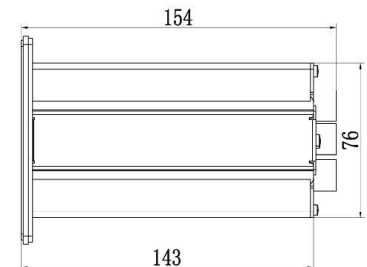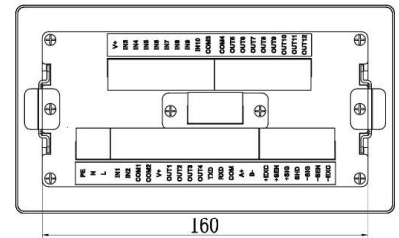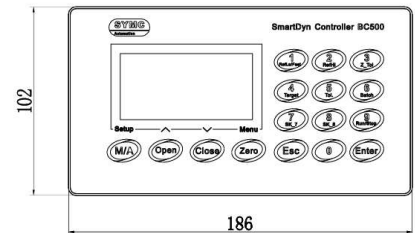
BC500L
Loss-In-Weigh Flow Controller

BC500.L Loss-In-Weigh controller is designed for the constant feeding machinery with gravimetric feeder. The LIW constant feeding machine Equipped with this controller brings significant benefits with long-term stability, high measuring accuracy, non-stop mending, constant feeding, and smooth flow rate control. This product and its system is specially suitable for the free-flowing granular material continuous feeding occasions.

Features:

◎ Fast and accurate continuous constant feeding control
◎ Operating modes: 1. constant flow control; 2. Constant level control; 3. Quantitative feeding with constant flow
◎ Compatible with pneumatic or electric actuators
◎ Continuous feeding
◎ Cumulative error < 0.5% (depending on the equipment and material characteristic)
◎ Non-stop mending
◎ Support for Remote/Local switching and Manual/Auto switching on panel

◎ Rich information include instantaneous flow rate, setting value and cumulative total in one screen
◎ Real-time status monitoring and alarm chain algorithm
◎ Real-time monitoring cell's load ratio. easy maintenance, and trouble shooting
◎ Standard MODBUS RTU protocol for easy access to SCADA or DCS system
◎ Profibus DP interface option available

Selection Configuration:

Model	P.N	Description
BC500.L1	22000186	Panel, 10 Inputs; 12 Outputs, RS232/RS485
BC500.L3	22000187	BC500.L1+Profibus DP

Specification:

Enclosure	Panel Mount. Front plate: SS304, IP65. Case: Anodized Aluminum
Run Mode	Constant feeding, Material level Balancing, Batch feeding

Signal Range	-20mV~+20mV	Max. Sensitivity	0.2uV/d
FS Drift	3ppm/°C	Linearity	0.0005%FS
Flow rate Unit	t/h	Dec. point	0, 1, 2, 3
Control Mode	Segment Control	Max Quantity	<99,999,999t

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
Option	P001: Profibus DP
Power Supply	100~240VAC, 50/60Hz, <100mA(@100VAC)
Operating Temperature	10°C ~ +40°C, Relative humidity: 10%~90%, non-condensing

Enclosure Dimensions(mm): 186×102×154
Cutout Dimensions(mm): 162×78
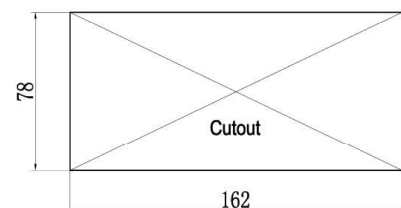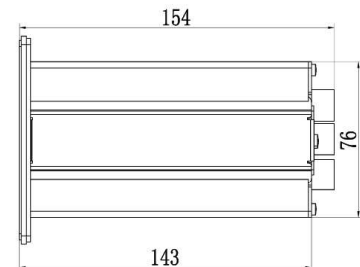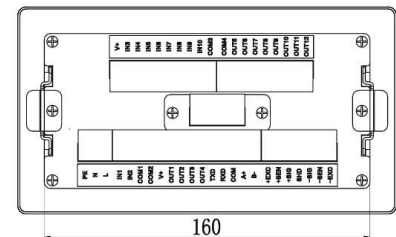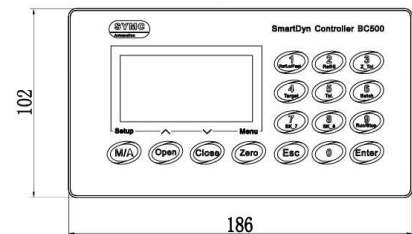
BC580.A
Packing Scale Controller

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)
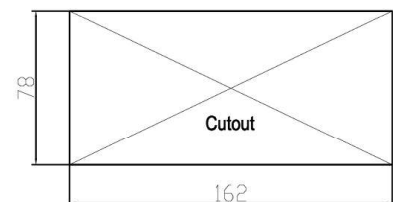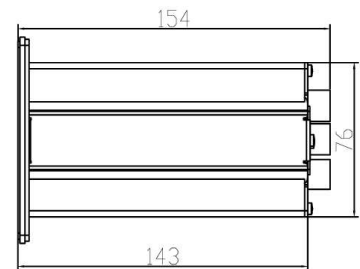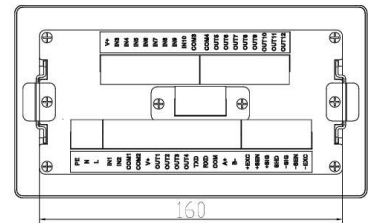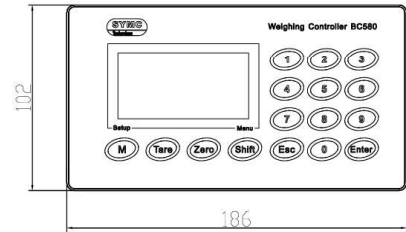◎ Optional Profibus DP interface

Selection Configuration:

Model	P.N	Description
BC580.A1	22000168	10 Inputs; 12 Outputs，RS232/RS485,Suitable for packaging, canning, bulk materials and other fixed value control
BC580.A2	22000180	BC580.A1+4~20mA
BC580.A3	22000181	BC580.A1+Profibus DP
BC580.A4	22000371	BC580.A1+MODBUS TCP

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

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

BC580A6
Batchweigh Controller

BC580A6 is a 6-ingredient batching controller derived from industrial weighing platform BC580. The instrument is equipped with an OLED dot-matrix GUI and can provide intuitive working procedure prompts, can operate from panel, remote IO and/or communication. This batching controller can be widely used in the application with batching materials less than 6 ingredients such as chemical, food, cereal, feed, BB fertilizer, and commercial concrete and dry mixed mortar.

Features:

◎ Store 10 groups of recipes
◎ Each recipe includes up to 6 ingredients
◎ Modify parameters with non-stop
◎ Batching material in any order
◎ Support most 6 ingredients
◎ Can work in manual, semi-auto or auto mode

◎ Time delay on feeding or dumping
◎ Zero or Tare command via external input
◎ All inputs and outputs are re-assignable
◎ Serial print out or MODBUS networking
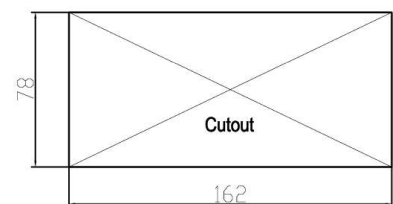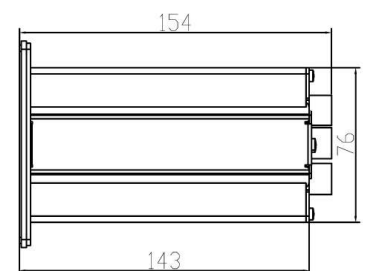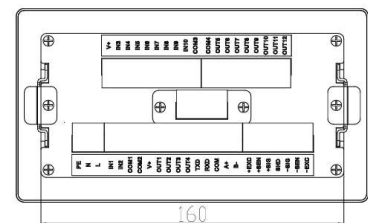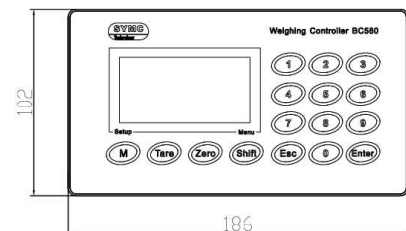◎ Optional Profibus DP interface

Selection Configuration:

Model	P.N	Description
BC580.A6	22000198	Panel Mount, 10 Inputs; 12 Outputs, RS232/RS485, 220VAC

Specification:

Enclosure	Panel Mount. Front plate: SS304, IP65. Case: Anodized Aluminum
Batch Mode	MIAO, MIMO, AIMO, AIAO

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, 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

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

BC580CK
Checkweigh Controller

BC580CK controller is designed for hi-speed belt checkweigher. The controller is integrated counts and quantity accumulation, over-under checking, sorting, rejecting with 128x64 dot-matrix OLED GUI. It's easy to operate and viewing statistic information with graphic menu tree.

Features:

◎ Store 10 groups of checking target
◎ Over 300Hz AD conversion
◎ Support English/Chinese display or print
◎ Counting the OK, OVER and UNDER results
◎ Multiple information pages
◎ Over-under checking and rejecting

◎ 5-level sorting control
◎ 10 DI/12 DO without PLC involved
◎ MODBUS RTU protocol via RS485 interface
◎ Support label printing via RS232
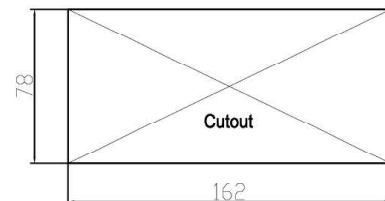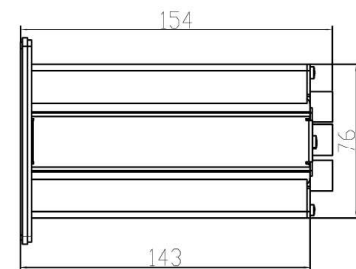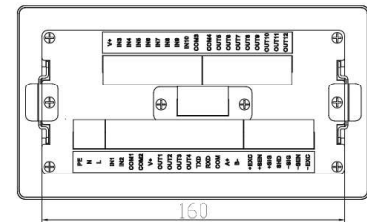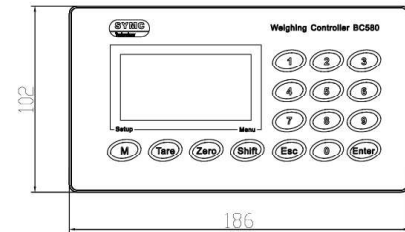◎ Touch screen version is available (seperated)

Selection Configuration:

Model	P.N	Description
BC580CK	22000195	10 Inputs; 12 Outputs, RS232/RS485, Dynamic weighing and sorting
BC580CKJ	22000197	10 Inputs; 12 Outputs, RS232/RS485, Static weighing and sorting
BC580CK-C	22000355	Installation in cabinet, no panel, 10 Inputs; 12 Outputs, RS232/RS485

Specification:

Enclosure	Panel Mount. Front plate: SS304, IP65. Case: Anodized Aluminum		
Work Mode	OPTO MODE: Dual-opto/ Single-opto No opto; WORK MODE: Checking/ Sorting		
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	>300Hz	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, 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		

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

BC580DF
DrumFilling Scale Controller

BC580DF is a quantitative weighing controller dedicated to kinds of liquid materials drum filling with fill gun be up or under level. The instrument is equipped with an OLED dot-matrix GUI and can provide intuitive working procedure prompts. It provides the features including bucket checking, fill gun auto-dropping, impacts detect and drawback, fill gun auto pull up in under level mode thus suits for net or gross drum filling to the liquids with/without foam.

Features:

◎ 20 groups of material setpoints records
◎ Automatic and manual accumulation
◎ Modify parameters with non-stop
◎ Fast and slow filling control
◎ 2 level fast adaptive filtering
◎ Rapid response, improve the Filling speed above 20%
◎ Automatic detect bucket range.
◎ Automatic drop fill gun

◎ Smart detect bucket impact on dropping
◎ Support fill gun up or under level mode
◎ Support net or gross filling
◎ Fill gun move with liquid level
◎ Manual or automatic work mode
◎ All inputs and outputs are re-assignable
◎ Serial print out or MODBUS networking
◎ Optional Profibus DP interface

Selection Configuration:

Model	P.N	Description
BC580DF	22000194	10 Inputs; 12 Outputs, RS232/RS485,Suitable for packaging, canning, bulk materials and other fixed value control

Specification:

Enclosure	Panel Mount. Front plate: SS304, IP65. Case: Anodized Aluminum
Drum filling Mode	Up level/Net mode, Up level/Gross mode, Under level/ Net mode, Under level/Gross mode,

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, 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

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