Basic type with accumulation value display weighing controller,F701-C

URL:https://www.sxplc.com/basic-type-with-accumulation-value-display-weighing-controller-f701-c

Product data sheet

F701-C is a general-purpose weighing controller that is compatible with all weighing systems. This is a practical device excellent in cost effectiveness, which is equipped with the final discharge function allowing high-accuracy feeding and discharging weighing control and the weighing sequence function essential to hopper and packing scales.

Installable is the interface that can be connected to PLCs or various peripherals such as BCD output, RS-232C and CC-Link.
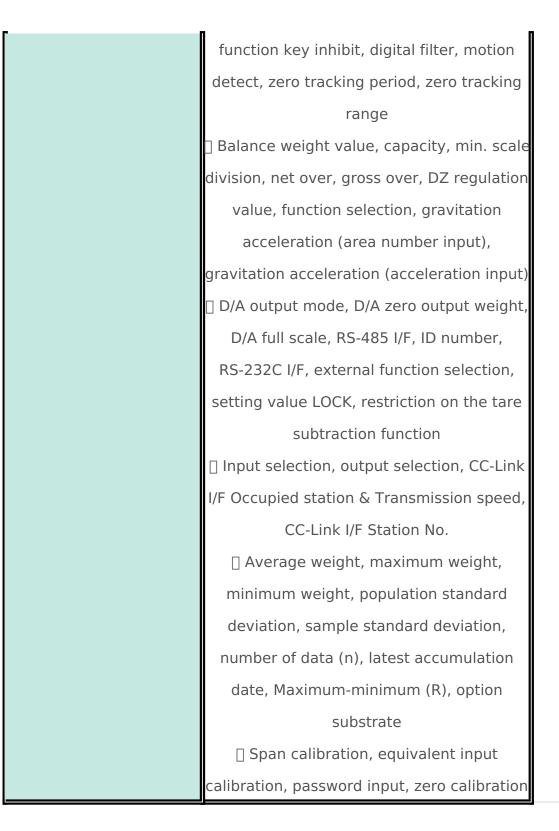
Specifications

Analog section，Setting section，External signal，Interface，Display section，General specifications，Attachments

Analog section		

Excitation voltage	Remote sense type (Up to 4 350 Ω load cells can be connected in parallel.) DC 10 V ±5%, Output current; within 120 mA
Zero adjustment range	0 to 2 mV/V Rough adjustment: Digitally controlled by rough adjustment circuit Fine adjustment: Automatic adjustment by digital processing
Gain adjustment range	0.3 to 3.2 mV/V Rough adjustment: Digitally controlled via rough adjustment circuit Fine adjustment: Auto adjusting method via digital processing
Min. input sensitivity	0.3 µV/count
Accuracy	Non-linearity: within 0.01% FS Zero drift: within 0.2 µV/°C RTI Gain drift: within 15 ppm/°C
Analog filter	Bessel low-pass filter (-12 dB/oct.), Selectable from 2, 4, 6, 8 Hz
A/D converter	Speed: 200 times/sec. Resolution: 24 bit (binary)

Setting section

	function key inhibit, digital filter, motion detect, zero tracking period, zero tracking range Balance weight value, capacity, min. scale division, net over, gross over, DZ regulation value, function selection, gravitation acceleration (area number input), gravitation acceleration (acceleration input) D/A output mode, D/A zero output weight, D/A full scale, RS-485 I/F, ID number, RS-232C I/F, external function selection, setting value LOCK, restriction on the tare subtraction function Input selection, output selection, CC-Link I/F Occupied station & Transmission speed, CC-Link I/F Station No. Average weight, maximum weight, minimum weight, population standard deviation, sample standard deviation, number of data (n), latest accumulation date, Maximum-minimum (R), option substrate Span calibration, equivalent input calibration, password input, zero calibration	

External signal		
Setting items	– High limit, Low limit, near zero, SP1, SP2, Compensation, over, under, final Comparison inhibit time, judging time, complete output time, adjust feeding time, auto zero times, judging times. Auto free fall compensation regulation, analog filter, tare weight	

	COM terminal)
	Output is set to LO when transistor is ON
	Vceo = 30 V (max), Ic = 120 mA (max)
External input signal (12)	Near zero / SP1 / SP2 / SP3 / tare / over / set / hold / stable / feed / data discharge * / Gross / tare / RUN / accumulation * / Transistor open collector input (Emitter = COM terminal) * Signals are selectable. Up to 4 points can be selected. Set to ON when shorted to COM terminal through contact point (relay, switch etc.) or non-contact point (transistor, open collector output such as TTL etc.) Ic = 10 mA or lower

Interface (Only one option can be installed.)	
SIF	2-wire type serial interface (standard)
232	RS-232C communication interface (standard)
BCO	BCD parallel data output interface (Option)
485	RS-485 communication interface (Option)
DAC	D/A converter interface (Option)
CCL	CC-Link interface (Option)

Display section	

	Sub display: 4.0 mm Character height
Display value	5 digits, Sign, Display of 10.4 mm most significant height via vacuum fluorescent display (7 digits)
Unit	Selectable from kg, g, N, lb, none
Status display	SP1, SP2, SP3, near zero, Hold, zero alarm, stable, tare, net, zero, battery low indicator

General specifications	
Power supply voltage	AC 100 to 240 V(+10% -15%) (Free power source at 50/60 Hz)
Power consumption	11 VA typ.
Operating conditions	Operation temperature range: -10 to +40°C; Storage temperature range: -20 to +85°C; Humidity: 85% RH or less (non-condensing)
Dimensions	144(W) × 72(H) × 160(D) mm (Not including projections)
Weight	Approx. 1.0 kg