F701-C

BASIC TYPE ACCUMULATION VALUE DISPLAY WEIGHING INDICATOR

DIN
144 × 72

- The basic type of weighing indicator.
- High speed A/D conversion and powerful digital processing capabilities of 200times/sec., for rapid response to input signal.
- To serve its purpose, the operation has been made simple.
- High resolution of 1/10000 in all input range.
- DIN-size 144 x 72 for easy installation

18 digits sub display

Displays weighing data such as accumulation value as well as various setting values.
Display mode can be selected from 6 types of modes.

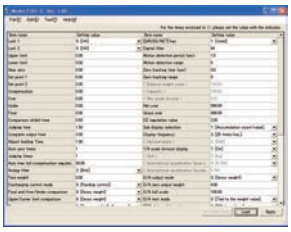
← Main display
← Sub display

(Example)Accumulation times & accumulation value

- Standard built-in of RS-232C.
- Allows one option to be selected from either CC-Link, BCD output, RS-485 or D/A converter

Exclusive PC application for setup

With RS-232C interface that allow you to read, write, save and retrieve parameter settings with a PC.

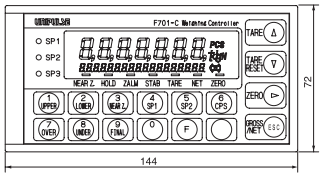


Specification

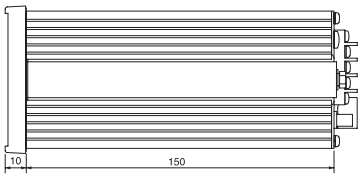
ANALOG	Excitation voltage	DC10V ±5 %; Output current: within 120mA Remote sense type (Up to 4 350Ω load cells can be connected in parallel.)
	Zero adjustment range	0 to 2mV/V Rough adjustment: Digitally controlled by rough adjustment circuit Fine adjustment: Automatic adjustment by digital processing
	Gain adjustment range	0.3 to 3.2 mV/V Rough adjustment: Digitally controlled by rough adjustment circuit Fine adjustment: Automatic adjustment by digital processing
	Minimum input sensitivity	0.3 μV/count
	Accuracy	Non-linearity.....Within 0.01%/FS Zero drift.....Within 0.2 μ V/°C RTI Gain drift.....Within 15ppm/°C
	Analog filter	Bessel type low-pass filter (-12dB/oct.) Selectable from 2, 4, 6, 8 Hz
	A/D converter	Speed: 200 times/sec Resolution: 24 bit (binary)
DISPLAY	Display unit	Numerical display of 10.4 mm character height via vacuum fluorescent display (7 digits) Sub display: 4.0 mm Character height
	Measured value	5 digits; Signs: Minus sign on most significant digit
	Unit	Selectable from t, kg, g, N, lb, none
	Status display	SP1, SP2, SP3, near zero, Hold, zero alarm, stable, tare, net, zero, battery low indicator
EXTERNAL SIGNAL	External output signal (12)	Near zero/ SP1/ SP2/ SP3/ under/ over/ Hi/ Lo/ stable/ weight alarm or error/ GO or complete/ RUN or accumulation error Transistor open collector output (Emitter = COM terminal) Output is set to LO when transistor is ON Vceo = 30V (max), Ic = 120mA (max)
	External input signal (8)	Gross or Net/ digital zero/ tare/ tare reset/ hold*/ judge*/ feed or discharge*/ start*/ stop*/ accumulation command*/ accumulation clear* *: 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	・SIF : 2-wire type serial interface ・232 : RS-232C communication interface ・BCO : BCD parallel data output interface (Option) ・485 : RS-485 communication interface (Option) ・DAC : D/A converter interface (Option) ・CCL : CC-Link interface (Option) Only one option can be installed.	
GENERAL SPECIFICATIONS	Power supply voltage	AC100 to 240 V (+10% -15%) (Free power source at 50/60 Hz)
	Power consumption	11VA typ
	Operation condition	Temperature: Operation temperature range: – 10 to + 40°C Storage temperature range: - 20 to + 85°C Humidity: 85% RH or less (non-condensing)
	External dimension	144 (W) x 72 (H) x 160 (D) mm (not including protrusions)
	Weight	Approx. 1.0 kg
ATTACHMENTS	AC input cord (3m) (nominal rating 125 V).....1 Mini driver.....1 FCN series I/O connector (with cover).....1 Jumper wire.....2 Operation Manual.....1	BCD output connector.....1 (when BCD output option is selected) RS-485 connector.....1 (when RS-485 option is selected) D/A converter connector.....1 (When D/A converter option is selected) CC-Link connector.....1 (When CC-Link option is selected)
OPTIONAL ACCESSORIES	CA325AC3P-B3 : CA325AC3P-CEE7/7B2 : CN34 : CN50 : CN55 : CN70 : CN71 : CN72 : CN80 : F720 fixing panel : LB01-XH :	AC input cord 3m AC input cord (voltage resistance: 250 V) 2m D-sub 9p connector for RS-232C FCN series I/O connector (with cover) FCN series I/O connector (with diagonal cover) D/A converter connector RS-485・CC-Link connector Double row connector for CC-Link Loadcell input connector terminal F252/F280 Fixing panel for conversion of F701-C Lithium battery (with XH connector)

External dimension

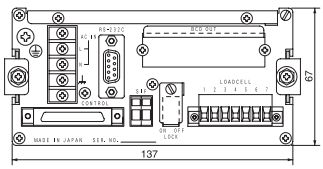
(Front View)

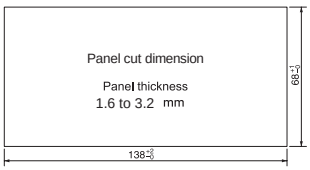


(Side View)



(Rear View)





Unit: mm

Structure of product code

F701-C ☐
① ②

①Standard unit

②Interface

Sign	Interface
Standard	SI/F, RS-232C

↓ One optional interface can be added in addition the standard interface.

BCO	BCD output (Sink type)
485	RS-485
DAC	D/A converter (Current)
CCL	CC-Link