F701-P

GLOBAL STANDARD MODEL
BASIC PERFORMANCE DESIGN
WEIGHING INDICATOR

DIN 192×96

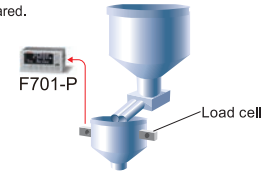
RoHS2

- Comparison modes convenient for weighing control

Upper/lower limit comparison mode
Convenient for checkers. Weight values and upper/lower limit setting values are compared.

Over/under comparison mode
Over and under of weight values can be judged by setting a target value.

Discharging control mode
A fixed amount can be accurately discharged from a tank like a hopper.



- Accumulation and calculation function
  Automatically accumulate the weight (gross weight / net weight) upon accumulation of weighing.
- High-speed sampling and high resolution
  With the capacity of high-speed A/D conversion of 300 times/sec. and high-speed digital processing, a display resolution of 1/10000 is assured across an entire input range.
- Digital low pass filter
  High-speed, high-accuracy measurement is achieved because strong in the external vibration.
- Selectable from sink type and source type.
  Type of external I/O signal : Sink type / Source type selectable.
- Standard built-in RS-485
  Selectable from Modbus-RTU and original format.
- Free power ; 100V to 240V AC is supportable without switching.

Specifications

ANALOG	Excitation voltage	DC5V±5% Output current: within 90mA Ratio metric type (Up to 6 350Ω load cells can be connected in parallel.)
	Signal input range	−0.5 to 3.0mV/V
	Zero adjustment range	−0.2 to 2.0mV/V Automatic adjustment by digital operation
	Span adjustment range	0.3 to 3.0mV/V Automatic adjustment by digital operation
	Minimum input sensitivity	0.15μV/count
	Accuracy	Non-linearity: within 0.01%/FS Zero drift: 0.025μV/℃ RTI typ. Gain drift: 1ppm/℃ typ.
	A/D converter	Conversion rate: 300 times/sec. Conversion resolution: 24bit
DISPLAY	Display	18.5mm in character height, Numerical display on LCD(7 digit) Sub display: 7.3mm in character height (14 digit)
	Indicated value	5 digit sign: negative display at the highest digit
	Accumulation value	9 digit ※This can be changed to "Accumulation count (4 digit)" and "Final(5 digit)".
	Display frequency	Selectable from 1, 2, 5, 10, 20 times/sec.(System speed is 300 times/sec.)
	Status display	COMPL. / SP3 / SP2 / SP1 / HI / GO / LO / ZT / NZ / HOLD / ZALM / STAB / TARE / NET / GROSS / CZ
EXTERNAL SIGNAL	You can specify whether Sink type or Source type when order the F701-P.	
	Output signals (4 points)	Select from COMPL. / SP1 / SP2 / SP3 / HI / GO / LO / STAB / WEIGHT ERROR / TOTAL FINAL At signal ON, output transistor ON. ＊ External voltage must be prepared separately by customer.
	Input signals (4 points)	Select from G/N / D/Z ON / TARE ON / TARE OFF / ACCUMULATION CLEAR / HOLD/JUDGE Contact (relay, switch etc.) or non-contact (transistor, open collector etc.) can be connected. ＊ External voltage must be prepared separately by customer.
INTERFACE	RS-485 communication interface (Select from Modbus-RTU and original format)	
GENERAL SPECIFICATION	Power supply voltage	AC100 to 240V (+10%−15%) (free power source 50/60Hz)
	Power consumption	2W typ.
	Inrush current	1.5A, 0.7mSec: AC100V average load condition (cold start at room temperature) 2.5A, 0.7mSec: AC200V average load condition (cold start at room temperature)
	Operating conditions	Temperature Operation: −10 to +40℃ Storage: −20 to +85℃ Humidity 85%RH or less (non-condensing)
	Dimension	192 (W) ×96 (H) ×102 (D) mm (not including protrusions)
	Weight	Approx. 1.3kg
ATTACHMENT	AC input cord (Nominal rating 125V) 3m..... 1 Jumper line..... 2 Terminator..... 1	Rubber packing..... 1 Operation manual..... 1
OPTIONAL ACCESSORIES	CN80: Load cell input connector terminal (7P)	

Structure of product code

F701-P □
① ②

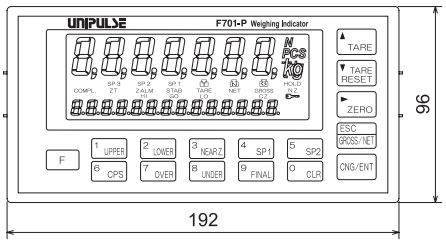
①Standard unit

②External signal

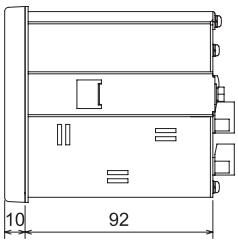
Sign	External signal
SI	Sink type
SO	Source type

External dimension

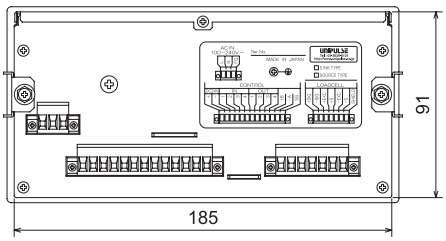
(Front View)

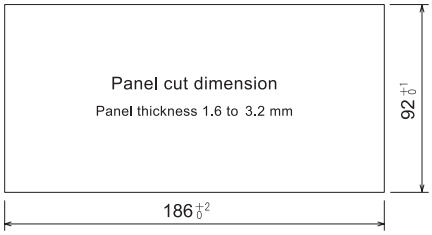


(Side View)



(Rear View)





Unit mm