F701 BASIC TYPE WEIGHING INDICATOR

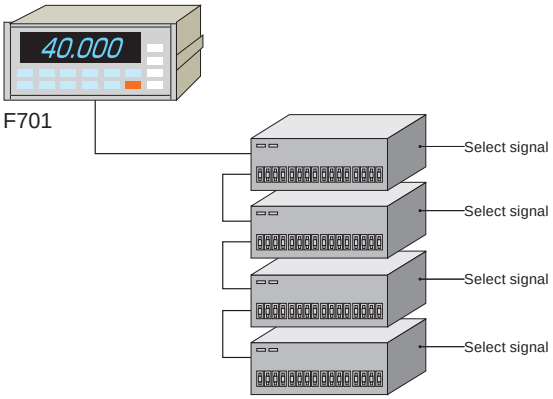


DIN
192 × 96

- The basic type of weighing indicator.
- Can be combined with a set point unit to form a measuring instrument.
- High display resolution
  1/10000 resolution at all input range is assured.
- DIN-size
  DIN-size 192 x 96 for easy installation

Set Point Unit E780

※With its push-type digital switch, the final cut-off value is easily set to the F701
※The select signal selects which of the set point unit that had been pre-set with the final cut off value to use.



Set Point Unit E780

Specifications

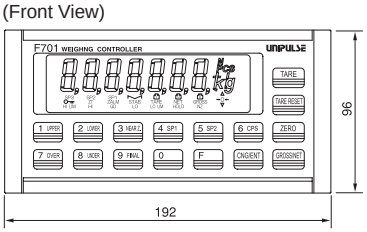
ANALOG	Excitation voltage	DC10V±5% Output current: within 120mA Remote sense type (Up to 4 units of 350Ω loadcells can be connected in parallel)
	Zero adjustment range	Rough adjustment: Input of approx. 0.5mV/V or 1.0mV/V selectable adjust to zero by dip switch on the rear panel HI gain: 0 ~ 1.5mV/V LO gain: 0 ~ 3.0mV/V Fine adjustment: Automatic adjustment by digital processing.
	Span adjustment range	Rough adjustment: 2-stage gain can be selected according to load cell output (via switch on the rear panel) HI gain: 0.5 ~ 1.5 mV/V LO gain: 1.0 ~ 3.0 mV/V Fine adjustment: Automatic adjustment by digital processing.
	Min. input sensitivity	0.5 μV/count
	Accuracy	Non-linearity..... within 0.01%/FS Zero drift..... within 0.2μV/℃ RTI (Typ 0.15μV/℃) Gain drift..... within 15 ppm/℃ (Typ 7 ppm/℃) Noise..... within0.1μVp-p RTI (0.1~10Hz)
	Analog filter	Bessel type low-pass filter (-12dB/oct.) Selectable from 2,4,6,8 Hz
	A/D converter	Speed ..... 100 times/sec Resolution.....16 bit (binary)
DISPLAY	Numeric display	Numerical display of 18.5 mm character height via vacuum fluorescent display (7 digits)
	Weighing value display	5 digit, Signs: Minus sign on most significant digit
	Unit	Selectable from lb, N, kg, g, t, none
	Status display	SP3/ SP2/ SP1/ LOCK/ ZT/ ZALM/ STAB/ TARE/ NET/ GROSS/ HILIM/ HI/ GO/ LO/ LOLIM/ HOLD/ NZ
SETTING	Setting item	・HI/ LO / Near Zero/ SP1/ SP2/ Compensation/ Over/ Under/ Final ・Comparison Inhibit Time/ Judging Time/ Complete Output Time/ Adjust Feeding Time/ AZ Times/ Judging Times/ Auto FF Compensation Regulation/ Tare Weight ・Weighing Function 1/ Weighing Function 2/ Weighing Function 3/ Sequence Mode/ Function Key Inhibit/ Filter/ Motion Detect/ Zero Tracking/Setting Value Lock ・Balance Weight/ Capacity/ Min. Scale Division/ Net Weight Over/ Gross Weight Over/ DZ Regulation/ Function Selection/ Gravitational Acceleration Compensation ・D/A Output Mode/ D/A Zero Output Weight/ D/A Full Scale/ RS-232C & RS-485 I/F Setting/ ID Setting/ External Setter Selection/ Extended Function Selection 1 / Compliance With Measurement Law ・Span Calibration / Zero Calibration
EXTERNAL SIGNAL	External output signal (12)	Near Zero/ SP1/ SP2/ SP3/ Final ・Complete/ Over/ Under/ Hi/ Lo/ Stable/ Weight Error ・Error/ Run Transistor open collector output (Emitter = COM terminal) Output is set to LO when transistor is ON. Vceo=30V(MAX), Ic=50mA(MAX)
	External input signal (8)	Feed ・Discharge/ Tare On/ Tare Off/ Digital Zero/G.N/ HOLD ・Judgment/ Start/ Stop 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=10mA or lower
INTERFACE	・SIF : 2-wire type serial interface ・SPI : Interface for the setpoint (option) ・232 : RS-232C communication Interface（option）※ ・BCO : BCD parallel data output interface (option) ・485 : RS-485 communication interface（option）※ ・DAC : D/A converter Interface （option） Exclusive slot for D/A option is available Only up to 2 other options can be installed (however, Serial communication interface (※) is 1 option only.)	
GENERAL SPECIFICATIONS	Power supply voltage	AC85~110V, 102~132V, 170~220V,187~242V (Please specify when ordering) 50/60Hz
	Power consumption	15VA
	Operation condition	Temperature.....Operation temperature:−10~＋40℃ Storage temperature:−20~＋85℃ Humidity.....85%RH or less (non-condensing)
	External dimension	192(W)×96(H)×160(D)mm (not including protrusions)
	Weight	Approx. 2.2kg

ATTACHMENTS			
AC input cord (Nominal rating 125V) 2m	1	Set point unit connector	1
Spare fuse (1A)	1	(when set point unit option is selected)	
Mini driver	1	BCD output connector	1
Loadcell input connector (JRCconnector)	1	(When BCD output option is selected)	
57 series 24pconnector	1	D/A converter connector	1
Operational Manual	1	(when D/A converter option is selected)	

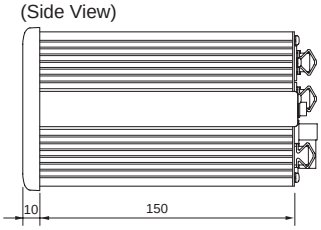
OPTIONAL ACCESSORIES	
E780 :	Set point unit
CAAC2P-P2 :	AC input cord 2m
CAAC3P-CEE7/7-P1.5 :	AC input cord (Voltage resistance: 250 V) 1.5m
CA4131 :	(6-wired) cable with JRC connector at one end 3m
CA4230 :	JRC-PRC (6-wired) conversion relay cable 0.3m
CA7 :	Coaxial cable with BNC at both ends 1.5m
CA8 :	BNC alligator clip cable 1.5m
CA3150 :	Sag-type flat cable with 57F / 36 pins termination 0.5m
CA4311 :	JRC-PRC （6-wired）conversion relay cable 1m （4-wired to 6-wired）(for 520A)
CN21 :	57 series 36p connector for BCD output and set point unit
CN23 :	57 series 24p connector for external input/output
CN35 :	D-sub25p connector for RS-232C
CN3P-2P :	3P-2P converter plug for AC input cord
LB01-NH :	Lithium battery (with NH connector)

External Dimension

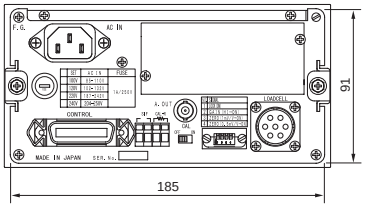
(Front View)

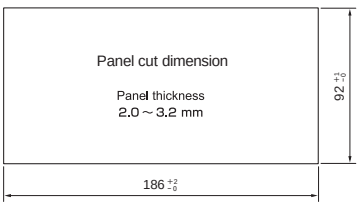


(Side View)



(Rear View)





Unit: mm