

F701 BASIC TYPE WEIGHING INDICATOR

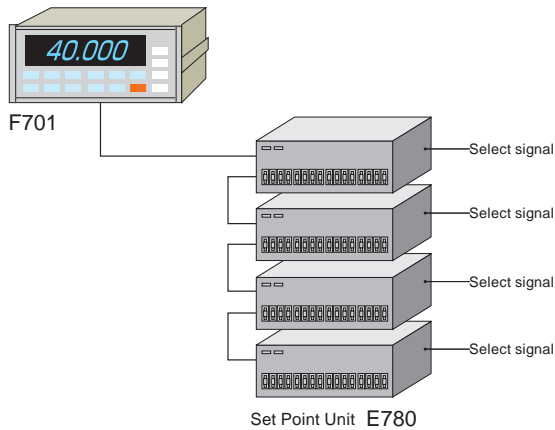


DIN
192 x 96

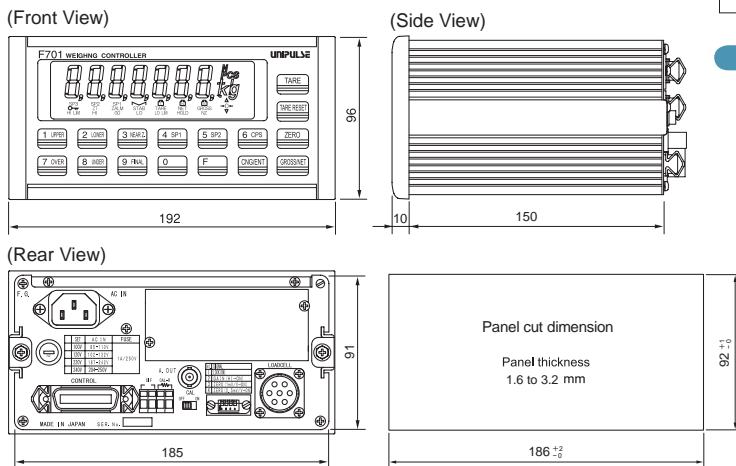
- The basic type of weighing indicator.
- Can be combined with a set point unit to form a measuring instrument.
- High resolution
1/10000 resolution at all input range is assured.
- DIN-size
DIN-size 192 x 96 for easy installation

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.



External dimension



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	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 to 1.5mV/V LO gain: 0 to 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 to 1.5 mV/V LO gain: 1.0 to 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 0.2 μV/°C RTI (Typ 0.15 μV/°C) Gain drift..... within 15 ppm/°C (Typ 7 ppm/°C) Noise..... within 0.1 μVp-p RTI (0.1 to 10Hz)	
	Analog filter	Bessel type low-pass filter (-12dB/oct.) Selectable from 2,4,6,8 Hz	
DISPLAY	A/D converter	Speed..... 100 times/sec Resolution..... 16 bit (binary)	
	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	
EXTERNAL SIGNAL	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	
INTERFACE	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. Vce0=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	
GENERAL SPECIFICATIONS	External dimension	192(W)x96(H)x160(D)mm (not including protrusions)	
	Weight	Approx. 2.2kg	
	Power supply voltage	ACR85 to 110V, 102 to 132V, 170 to 220V, 187 to 242V (Please specify when ordering) 50/60Hz	
	Power consumption	11VA typ	
	Operation condition	Temperature..... Operation temperature: -10 to +40°C Storage temperature: -20 to +85°C Humidity..... 85%RH or less (non-condensing)	
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
	Load cell input connector (JRconnector)	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-CEE7/7-1.5 :	AC input cord (Voltage resistance: 250 V) 1.5m	
	CA4131 :	(6-wired) cable with JR connector at one end 3m	
	CA4230 :	JR-PRC (6-wired) conversion relay cable 0.3m	
	CA7 :	Coaxial cable with BNC at both ends 1.5m	
	CAB :	BNC alligator clip cable 1.5m	
	CA3150 :	Sag-type flat cable with 57F / 36 pins termination 0.5m	
	CA4311 :	JR-PRC (6-wired) conversion relay cable 1m (4-wired to 6-wired) (for 520A)	
	CN10 :	Load cell input connector (JRconnector)	
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)		

Structure of product code



① Standard unit

Sign	Power supply
Standard	AC100V(AC85 to 110V)
	120V AC102 to 132V
	200V AC170 to 220V
	220V AC187 to 242V

③ Interface

Sign	Interface
Standard	SI/F

↓ Optional interface can be added in addition to the standard interface.

SPI	for set point unit
BCO	BCD output (Sink type)
232	RS-232C *
485	RS-485 *
DAC	D/A converter (Current)

Exclusive slot for D/A option is available.
 Only up to 2 other options can be installed.
 However, with *(mark), only 1 option is available.