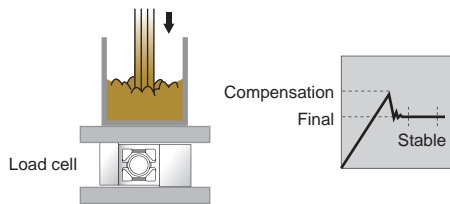


F720B

STANDARD TYPE WEIGHING INDICATOR



- EtherNet/IP Option Supported
Connect to EtherNet/IP network to build a system that manages measurement data & settings
- Dedicated Software for RS-232C (Free Software)
Communicate through RS-232C interface; Logging, graph display, parameter setting & calibration are possible
- Minus compensation
Useful for high-pressure liquid filling & pressure feeding



- Equivalent to IP65 Protection
- Input conversion value display
- Bright white LCD display with the useful 20 digits sub display.



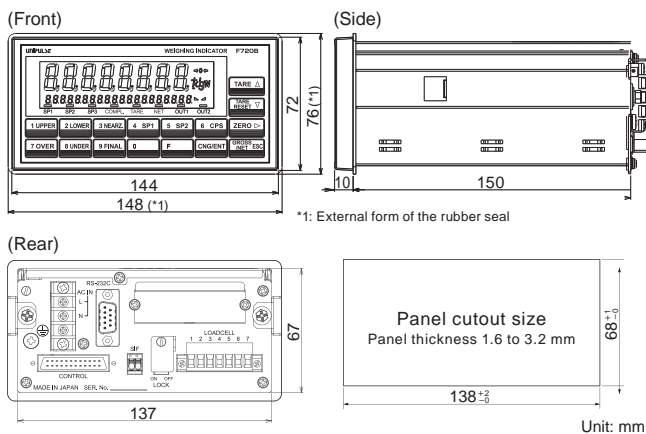
- 6-digit display
- Equivalent input calibration
- Multipoint calibration (linearization)

Specifications

Analog	Excitation voltage	DC 10 V±5% Output current: Within 120 mA DC 5 V±5% Output current: Within 60 mA Remote sense type (Up to 4 350 load cells can be connected in parallel.)			
	Signal input range	-1.0 to +5.5 mV/V			
	Zero adjustment range	Automatic adjustment by digital processing -0.5 to +2.0 mV/V			
	Span adjustment range	Automatic adjustment by digital processing +0.3 to +3.0 mV/V			
	Linearization function	Can calibrate up to 3 points other than zero/span			
	Min. input sensitivity	0.3 µV/count			
	Accuracy	Non-linearity: Within 0.01% FS Zero drift: 0.0007% FS/°C typ. * When calibrated by 3 mV/V with 10 V Gain drift: 10 ppm/°C typ.			
	Analog filter	Bessel type low-pass filter (-12 dB/oct.) Selectable at 2, 4, 6, 8 Hz			
	Moving average filter	OFF, 2 to 512 times			
	A/D converter	Speed: 300 times/sec. Resolution: 24 bit (binary)			
Display	Display unit	Numerical display by liquid crystal display module Main display: 8 digit (14.4 mm character height), Sub-display: 20 digit (4.3 mm character height)			
	Display value	5-digit, sign: negative display at the highest digit (Up to 6 digits)			
	Unit	None/ kg/ g/ t/ lb/ N			
	Decimal point	0, 0.0, 0.00, 0.000, 0.0000			
	Weight errors	LOAD: sensor signal level is above the signal input range, -LOAD: the sensor signal level is below the signal input range, OFL1: the Net weight is over the limit, OFL3: the GROSS weight is over the limit			
	Display frequency	3, 6, 13 or 25 times			
	Status display	SP1/ SP2/ SP3/ COMPLETE/ TARE ON/ NET/ OUT1/ OUT2			
	Output signal	Open collector output V _{ceo} = 30 V, I _c = 120 mA			
	Input signal	Non-voltage contact input (internal circuit power supply voltage 12 V)			
	Interface	SIF: 2-wire type serial interface			
232: RS-232C Communication Interface					
485: RS-485 Communication Interface (option)					
BCO: BCD Parallel Data output Interface (option)					
DAC: D/A Converter Interface (option)					
CCL: CC-Link Interface (option)					
EIP: EtherNet/IP Interface (option)					
* Only one option can be installed					
General performance		Power supply voltage	AC 100 to 240 V (+10% -15%) (free power source 50/60 Hz)		
		Power consumption	12 W typ.		
	Operation condition	Temperature Operation temperature range: -10 to +50°C Storage temperature range: -20 to +80°C Humidity 85% RH or less (non-condensing)			
	Dimensions	144(W) x 72(H) x 160(D) mm (not including projection)			
	Weight	Approx. 1.1 kg			
Attachments	AC input cord (Nominal rating 125 V) 3 m.....	1	BCD output connector	1	
	Mini driver.....	1	(when BCD output option is selected)		
	FCN series I/O connector (with cover)	1	RS-485 connector	1	
	Jumper wire.....	2	(when RS-485 option is selected)		
	Operation manual	1	D/A converter connector	1	
	Rubber seal for dust & drop-proof protection... 1		(when DAC option is selected)		
	Load cell input connector terminal block	1	CC-Link connector	1	
	(Installed on the main unit)		(when CC-Link option is selected)		
	Optional accessories	CA325AC3P-B3: AC input cord 3 m			
		CA325AC3P-CEE7/7-B2: AC input cord (Voltage resistance: 250 V) 2 m			
CN21: BCD output connector					
CN34: D-Sub9p connector for RS-232C					
CN50: FCN series I/O connector (with cover)					
CN55: FCN series I/O connector (with diagonal cover)					
CN70: D/A converter connector					
CN71: RS-485 & CC-Link connector					
CN72: Double row connector for CC-Link					
CN80: Load cell input connector terminal block (Same accessory as the attached one)					
CE marking certification	EMC Directive	EN61326-1			
	Safety Standard	EN61010-1, EN62311			

* Please note that there are possibilities of individual differences in a color tone on display devices such as LEDs, fluorescent display tubes and LCDs due to manufacturing process or production lots.

External dimension



Structure of product code

F720B □

① ②

① Standard unit

② Option Interface

Sign	Interface
Standard	SI/F, RS-232C

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

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