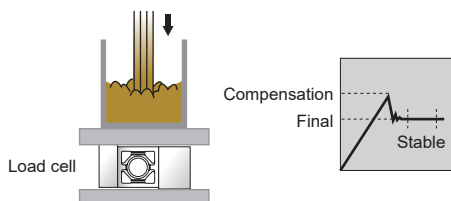


F720B

STANDARD TYPE WEIGHING INDICATOR

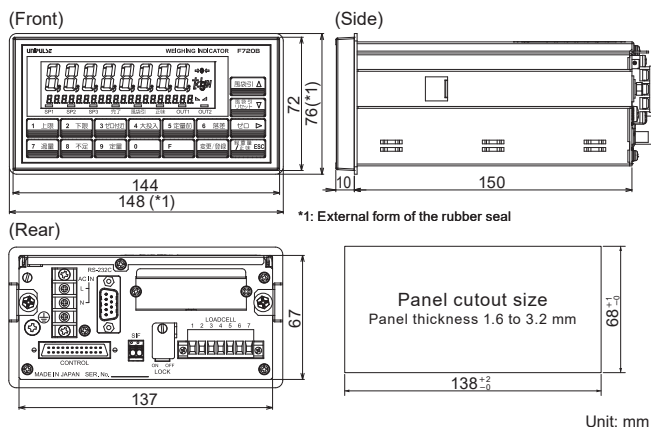


- CC-Link (Ver.2) option supported
- EtherNet/IP option supported
- Connect to EtherNet/IP network to build a system that manages measurement data & settings
- Dedicated software for RS-232C (Free software)
- Communicate through RS-232C interface; logging, graph display, parameter setting & calibration are possible
- Minus compensation
- Useful for high-pressure liquid filling & pressure feeding



- Input conversion value display
- Bright white LCD display with the useful 20 digits sub display
- Equivalent input calibration
- Multipoint calibration (Linearization)

External dimension



Specifications

Analog	Excitation voltage	DC 10 V±5% Output current: Within 120 mA DC 5 V±5% Output current: Within 90 mA Remote sense type (Up to four 350 Ω load cells can be connected in parallel.) *At excitation voltage 10 V (Up to six 350 Ω load cells can be connected in parallel.) *At excitation voltage 5 V
	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 of the excitation voltage 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	6-digit, sign: negative display at the highest digit
	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: Sensor signal level is below the signal input range OFL1: Net weight is over the limit OFL2: Maximum weight value +9 scale division OFL3: 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 (12 points)	Open collector output V _{ceo} = 30 V, I _c = 120 mA
	Input signal (8 points)	Non-voltage contact input (Internal circuit power supply voltage 12 V)
	Interface	SIF: 2-wire type serial interface 232: RS-232C communication interface CCL: CC-Link interface (Ver.2 supported) (Option) EIP: EtherNet/IP interface (Option) BCO: BCD parallel data output interface (Option) DAC: D/A converter interface (Option) 485: RS-485 communication 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.
	Operating conditions	Operation temperature: −10 to +50°C Storage temperature: −20 to +80°C Humidity: 85% RH or less (non-condensing)
	Dimensions	144(W) × 72(H) × 160(D) mm (Not including projections)
	Weight	Approx. 1.1 kg
Attachments	AC input cord (Nominal rating 125 V) 3 m.....	1
	Mini screwdriver.....	1
Optional accessories	CAAC2P-B3: AC input cord 3 m (Same as the attachment)	1
	CAAC3P-B3: AC input cord 3 m	1
	CA325AC3P-B3: AC input cord (Voltage resistance: 250 V) 2 m	1
	CA325AC3P-CEE7/7-B2: AC input cord (Voltage resistance: 250 V) 2 m	1
	CN21: BCD output connector	1
	CN34: D-Sub9p connector for RS-232C	1
	CN50: FCN series I/O connector (with cover) (Same as the attachment)	1
	CN55: FCN series I/O connector (with diagonal cover)	1
	CN71: RS-485 & CC-Link connector	1
	CN72: Double row connector for CC-Link	1
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.

Structure of product code

F720B □

① ②

① Standard unit

② Interface

Sign	Interface
Standard	SI/F, RS-232C

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

CCL	CC-Link (Ver.2)
EIP	EtherNet/IP
BCO	BCD output (Sink type)
DAC	D/A converter (Current output)
485	RS-485 (Modbus-RTU/UNI-Format)