F720B

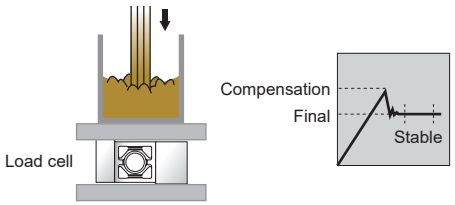
STANDARD TYPE WEIGHING INDICATOR



CC-Link V2 EtherNet/IP

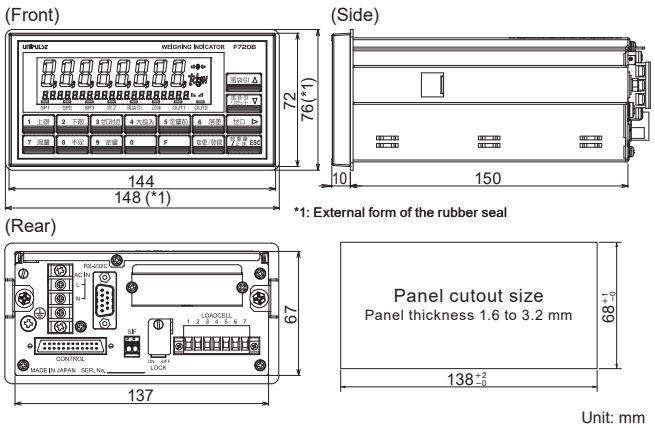
RoHS2 DIN 144×72 WATER&DUST PROOF

- 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



Unit: mm

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/℃ typ. Gain drift: 10 ppm/℃ typ. * When calibrated by 3 mV/V with 10 V of the excitation voltage
	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
External signal	Output signal (12 points)	Open collector output Vceo = 30 V, Ic = 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℃ Storage temperature: −20 to +80℃ 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 FCN series I/O connector (with cover) ..... 1 Jumper wire..... 2 Operation manual ..... 1 Rubber seal for dust & drop-proof protection..... 1 Load cell input connector terminal block ..... 1 (Already mounted on the main unit) CC-Link connector ..... 1 (when CC-Link option is selected) BCD output connector ..... 1 (when BCD output option is selected) D/A converter connector ..... 1 (when DAC option is selected) RS-485 connector ..... 1 (when RS-485 option is selected)
Optional accessories		CAAC2P-B3: AC input cord 3 m (Same as the attachment) CAAC3P-B3: AC input cord 3 m CA325AC3P-B3: AC input cord 3 m CAAC3P-CEE7/7-B2: AC input cord (Voltage resistance: 250 V) 2 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) (Same as the attachment) CN55: FCN series I/O connector (with diagonal cover) CN71: RS-485 & CC-Link connector CN72: Double row connector for CC-Link CN80: Load cell input connector terminal block (Same as the attachment) CN86: 3p connector D/A converter PNL-CONV: Panel cutout size conversion plate (144×72 → 192×96)

* 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)