

F800

ALL IN ONE TYPE WEIGHING INDICATOR

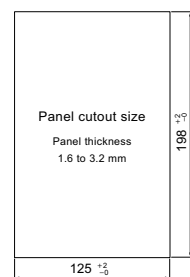
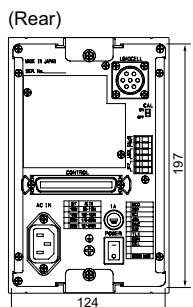
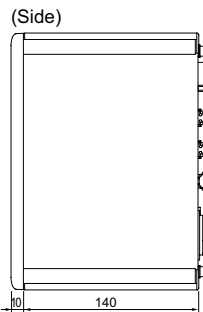
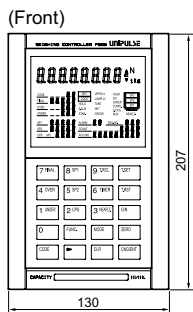
U300A, the highest authority of load cell amplifier is used



CC-Link DeviceNet

- A full-scale weighing indicator developed exclusively for measuring system.
- Setting values can be stored in each of the 100 kinds of codes so that code selection and measuring can be conveniently performed.
- Excellent operability
Function-prioritized key input and Vacuum Fluorescent Display (VFD) tube for improved visibility.
- Direct PLC connection
CC-Link and DeviceNet interface.
- High resolution
1/10000 resolution at all input range is assured.

External dimension



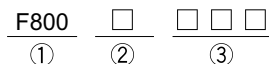
Unit: mm

Specification

Analog	Excitation voltage	DC 10 V±5% Output current: Within 120 mA Remote sense type (Up to 4 350 Ω load cells can be connected in parallel.)	
	Zero adjustment range	0 to approx. 2 mV/V Rough adjustment Digitally controlled by rough adjustment circuit. Fine adjustment Automatic adjustment by digital processing.	
	Span adjustment range	0.3 to 2.0 mV/V Rough adjustment Digitally controlled by rough adjustment circuit. Fine adjustment Automatic adjustment by digital processing.	
	Minimum input sensitivity	0.3 μV/count	
	Accuracy	Non-linearity Within 0.01% FS (typ. 0.005% FS at room temperature) Zero drift Within 0.1 μV/°C RTI (typ. 0.08 μV/°C) Gain drift Within 15 ppm/°C (typ. 5 ppm/°C) Noise Within 0.1 μV-p RTI (0.1 to 10 Hz)	
	Analog filter	Bessel type low-pass filter (-12 dB/oct.) Selectable from 2, 4, 6, 8 Hz	
	A/D converter	Speed 100 times/sec. (10 mS) Resolution 16 bit (binary)	
	Display	Display unit	Eight (8) digits, 12 mm Original Vacuum Fluorescent Display
		Display	5 digits Signs: Minus sign on most significant digit
		Unit	Selectable from g, kg, t, N, none
Display frequency		Selectable from 3, 6, 13, and 25 times/sec. (Internal 100 times/sec.)	
Status display		SET / LOCK / HOLD / Z.ALM / STAB. / TARE / NET / GROSS / RUN / HI / LO / NEAR Z. / SP1 / SP2 / SP3 / OVER / GO / UNDER / COMPL / D.CHG / AFC	
External signal	External output signal (16)	Near zero / SP1 / SP2 / SP3 / under / go / over / complete / discharge / Lo / Hi / stable / weight error / error / final error / RUN Transistor open collector output (Emitter = COM terminal) Output is set to LO when transistor is ON. V _{ceo} = 30 V (max), I _c = 120 mA (max)	
	External input signal (23)	Gross or net / digital zero / tare on / tare reset / hold or judge / feed or discharge / accumulation command / accumulation clear / code setting / start / stop / discharge command / compulsory discharge command / discharge gate open / discharge gate close / code assign selection 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.) I _c = 10 mA or lower	
Interface	SIF:	2-wire type serial interface	
	CCL:	CC-Link interface (option)	
	ODN:	DeviceNet interface (option)	
	BCO:	BCD parallel data output interface (option)	
	BCI:	BCD parallel data input interface (option)	
	DAC:	D/A converter interface (option)	
General specifications	485:	RS-485 communication interface (option)	
	232:	RS-232C communication interface (option)	
	Please inquire from our sales office for the combination of options that can be installed.		
	Power supply voltage	AC 85 to 110 V, 102 to 132 V, 170 to 220 V, 187 to 242 V (Please specify when ordering) 50/60 Hz	
Power consumption	14 VA typ.		
Operating conditions	Operation temperature: -10 to +40°C Storage temperature: -40 to +80°C Humidity: 85% RH or less (non-condensing)		
External dimension	130(W) × 207(H) × 150(D) mm (Not including projections)		
Weight	Approx. 3 kg		
Attachments	AC input cord (Nominal rating 125 V) 2 m...1	BCD output connector	
	Spare fuse (1 A)1	(when BCD output option is selected)1	
	Mini driver.....1	BCD input connector	
	Load cell connector (JR connector)1	(when BCD input option is selected)1	
	57 series 50p connector.....1	DeviceNet connector (when DeviceNet option is selected)1	
Operation manual.....1	CC-Link connector (when CC-Link option is selected)1		
Optional accessories	CAAC2P-P2:	AC input cord 2 m (Same as the attachment)	
	CAAC3P-P2:	AC input cord 2 m	
	CAAC3P-CEE7/7-P1.5:	AC input cord (voltage resistance: 250 V) 1.5 m	
	CN3P-2P:	3P-2P converter plug for AC input cord	
	CA4131:	(6-wired) cable with JR connector at one end 3 m	
	CA4230:	JR-PRC (6-wired) conversion relay cable 0.3 m	
	CA4311:	JR-PRC (6-wired) conversion relay cable 1 m (4-wired to 6-wired) (for 520A)	
	CN10:	Load cell connector (JR connector) (Same as the attachment)	
	CN21:	BCD input/ output connector	
	CN22:	57 series 50p connector for external input/output (Same as the attachment)	
	CN35:	D-sub25p connector for RS-232C	
CN71:	CC-Link connector		
CN72:	Double row connector for CC-Link		
CND01:	DeviceNet connector		

* 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



① Standard unit

② Power supply

Sign	Power supply
Standard	AC 100 V (AC 85 to 110 V)
120V	AC 102 to 132 V
200V	AC 170 to 220 V
220V	AC 187 to 242 V

③ Interface

Sign	Interface
Standard	S/I/F

↓ 3 slot can be added in addition to the standard interface.

CCL	CC-Link (2 slot occupancy)	*2
ODN	DeviceNet (2 slot occupancy)	*2
BCO	BCD output (Sink type)	*1
BCI	BCD input	*1
DAC	D/A converter (Voltage, Current)	*1
485	RS-485	*2
232	RS-232C	*2

However, with *1(mark) 2 option, with *2(mark) only 1 option is available.

When 2 slot occupancy is carried, with *1(mark) only 1 option is available.