F800

ALL IN ONE TYPE WEIGHING INDICATOR

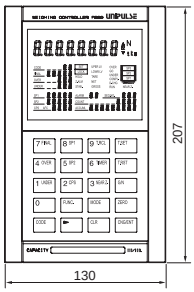
U300A, the highest authority of loadcell amplifier is used

CC-Link DeviceNet

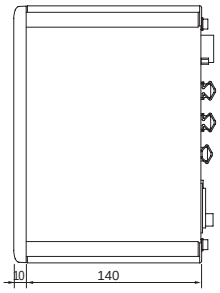
- A full-scale weighing indicator developed exclusively for measuring system.
- Setting values can be stored in each of the 100 kinds of codes so that code selection and measuring can be conveniently performed.
- Excellent operability
  Function-prioritized key input and Vacuum Fluorescent Display (VFD)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

External dimension

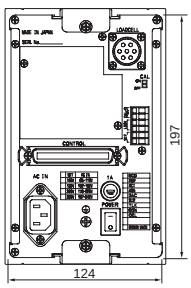
(Front)

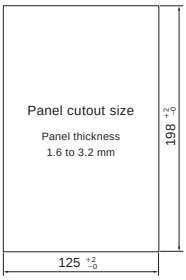


(Side)



(Rear)





Unit: mm

Specification

Analog	Excitation voltage	DC10V±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.
	Min. 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/℃ RTI (typ. 0.08 μV/℃) Gain drift Within 15 ppm/℃ (typ. 5 ppm/℃) Noise Within 0.1 μVp-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, 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
	Set value display	CODE / FINAL /OVER / UNDER / SP1 / SP2 / CPS
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. Vceo = 30 V (max), Ic = 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.) Ic = 10 mA or lower
Interface	SIF: 2-wire type serial interface 232: RS-232C Communication Interface (option) BCO: BCD Parallel Data output Interface (option) BCI: BCD Parallel Data Input Interface (option) 485: RS-485 Communication Interface (option) DAC: D/A Converter Interface (option) ODN: DeviceNet Interface (option) CCL: CC-Link Interface (option) Please inquire from our sales office for the combination of options that can be installed.	
General specifications	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.
	Operation condition	Temperature: Operation: −10 to +40℃ Storage: −40 to +80℃ Humidity: 85% RH or less (non-condensing)
	External dimension	130(W) × 207(H) × 150(D) mm (not including protrusions)
	Weight	Approx. 3 kg
Attachments	AC input cord (Nominal rating 125 V) 2 m...1 Spare fuse (1 A) ...1 Mini driver...1 Load cell connector (JR connector) ...1 57 series 50p connector...1 Operation Manual...1	BCD output connector (when BCD output option is selected) ...1 BCD input connector (when BCD input option is selected) ...1 DeviceNet connector (when DeviceNet option is selected)...1 CC-Link connector (when CC-Link option is selected) ...1
Optional accessories	CAAC2P-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) CN21: BCD input/ output connector CN22: 57 series 50p connector for external input/output 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

F800 □ □□□
① ② ③

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	SI/F

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

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