

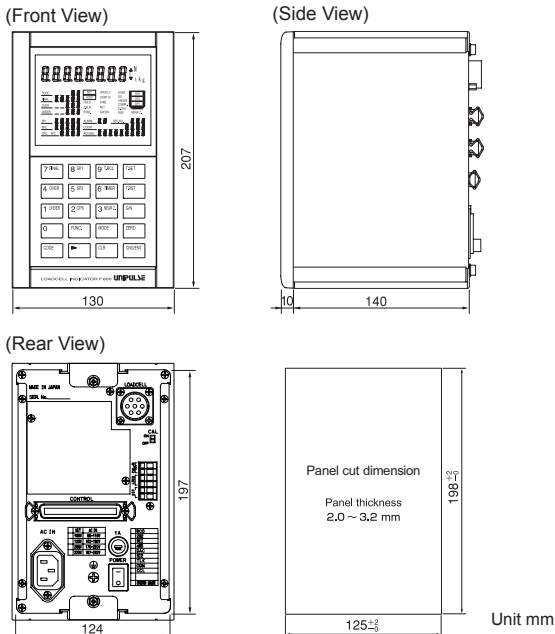
F800

ALL IN ONE TYPE WEIGHING CONTROLLER



- A full-scale weighing controller developed exclusively for measuring system.
- High speed A/D conversion and powerful digital processing capabilities of 100times/sec., for rapid response to input signal.
- 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 display resolution
1/10000 resolution at all input range is assured.

External Dimension



Specification

ANALOG	Excitation voltage	DC10V±5% Output current : within 120mA Remote sense type (up to 4 units of 350Ω loadcells can be connected in parallel)
	Zero adjustment range	0~approx. 2mV/V Rough adjustment : Digitally controlled via rough adjustment circuit. Fine adjustment : Automatic adjustment via digital processing.
	Span adjustment range	0.3~2.0mV/V Rough adjustment : Digitally controlled via rough adjustment circuit. Fine adjustment : Automatic adjustment via 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/°C RTI (Typ 0.08 μV/°C) Gain drift..... within 15ppm/°C (Typ 5ppm/°C) Noise..... within 0.1 μVp-p RTI (0.1~10Hz)
	Analog filter	Bessel type low-pass filter (-12dB/oct.) Selectable at 2, 4, 6, 8 Hz
A/D converter	Speed 100 times/sec (10mS)
	Resolution 16bit (binary)
DISPLAY	Display unit	Eight (8) digits, 12mm Original Vacuum Fluorescent Display
	Display	5 digits Signs: Minus sign on most significant digit
	Unit	Selectable at g, kg, t, N, none
	Display frequency	Selectable at 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	
SETTING	Setting items	• Calibration Zero Calibration / Span Calibration / Balance Weight Value / Capacity / Min. Scale Division / Over Net / Over Gross / Display Frequency / Decimal Point / 1/4 Scale Display On/Off / Unit / gravitational acceleration compensation • Comparative SP1 / SP2 / CPS / Final / Under / Over / AFF Reg / Compensation setting 1 Input Timer (These items preset according to 100 individual codes.) • Comparative Near Zero / Lo / Hi / Preset Tare Weight / Comparison Inhibit setting 2 Time / Judging Time / Complete Time / Discharging Time / AZ times / Judging times / Sequence mode • Function..... Digital Filter / Motion Detection / Weighing Function 1 / Weighing Function 2 / Weighing Function 3 / Function Key Inhibited / RS-232C / ID Number Setting / Analog filter / Zero tracking / Measurement Law / Extended function selection
	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 = 120mA (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 =10mA or lower
INTERFACE	<ul style="list-style-type: none"> • SIF : 2-wire type serial interface • SI2 : 2-wire high speed bidirection serial interface (option) • 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) • TLK : T-LINK Interface (option) Please inquire from our sales office for the combination of options that can be installed.	
GENERAL SPECIFICATIONS	Power supply voltage	AC85~110V, 102~132V, 170~220V, 187~242V (Please specify when ordering) 50/60Hz
	Power consumption	Approx. 20VA
	Operation condition	Temperature: Operation temperature : -10~+40°C Storage temperature : -40~+80°C Humidity : < 85% RH (non-condensing)
	External dimension	130(W)×207(H)×150(D)mm (not including protrusions)
	Weight	Approx. 3kg
ATTACHMENTS	AC input cord (Nominal rating 125V) 2m..... 1 Spare fuse (1A) 1 (when BCD output option is selected) 1 Mini driver 1 Loadcell connector (JRC connector) 1 (when BCD input option is selected) 1 57 series 50p connector 1 Operation Manual 1	BCD output connector BCD input connector DeviceNet connector (when DeviceNet option is selected). CC-Link connector (when CC-Link option is selected) 1
OPTIONAL ACCESSORIES	CAAC2P-P2 : AC input cord 2m CAAC3P-CEE7/7-P1.5 : AC input cord (voltage resistance: 250V) 1.5m CA4131 : (6-wired) cable with JRC connector at one end 3m CA4230 : JRC-PRC (6-wired) conversion relay cable 0.3m CN3P-2P : 3P-2P converter plug for AC input cord CA4311 : JRC-PRC (6-wired) conversion relay cable 1m (4-wired to 6-wired) (for 520A) 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 CND01 : DeviceNet connector	