

F850 NETWORK TYPE WEIGHING INDICATOR

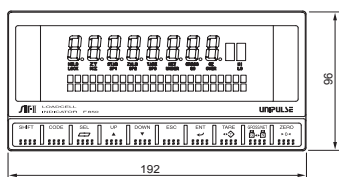


DIN
192 × 96

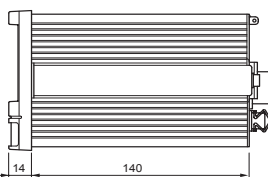
- Easily readable weight display
Excellent visibility and especially the height of 17mm large numerical display. Status display can be shown in characters.
- High speed A/D conversion and powerful digital processing capabilities of 100 times/sec., for rapid response to input signal.
- Setting values can be stored in each of the 100 kinds of codes so that code selection and measuring can be conveniently performed.
- Handy full digital calibration that can swiftly perform initial calibration.
- High display resolution
1/10000 resolution at all input range is assured.
- DIN-sized
DIN size of 192 x 96 for convenient installation.

External Dimension

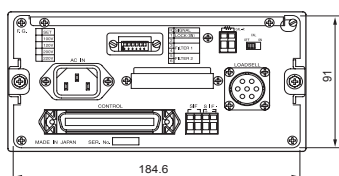
(Front View)



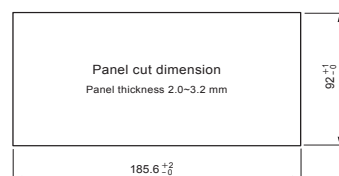
(Side View)



(Rear View)



Unit: mm



Panel cut dimension
Panel thickness 2.0~3.2 mm

Specifications

ANALOG	Excitation voltage	DC10V±5% Output current: within 120mA Remote sense type (Up to 4 units of 350Ω load cells can be connected in parallel)
	Zero adjustment range	0~approx. 2mV/V Rough adjustment : Digitally controlled by rough adjustment circuit. Fine adjustment : Automatic adjustment by digital processing.
	Span adjustment range	0.3~2.0 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-linearitywithin 0.01%/FS (Typ 0.005%/FS at room temperature) Zero driftwithin 0.1 μV/°C RT1 (Typ 0.08 μV/°C) Gain driftwithin 15ppm/°C (Typ 5ppm/°C) Noisewithin 0.1 μVp-p RT1 (0.1~10Hz)
	Analog filter	Bessel type low-pass filter (-12dB/oct.) Selectable from t, 2, 4, 6, 8 Hz
	A/D converter	Speed100 times/sec Resolution16 bits (binary)
DISPLAY	Display unit	Numerical display of 17 mm character height via vacuum fluorescent display (8 digits)
	Display	5 digits Signs: Minus sign on most significant digit
	Unit	Selectable from t, kg, g, N, lb, none
	Display frequency	Selectable from 3, 6, 13, 25 times/sec. (Internal 100 times/sec.)
	Status display	HOLD/ZALM/ZT/STAB/TARE/NET/GROSS/CZ/LOCK/NZ/SP1/SP2/SP3/UNDER/GO/OVER/HI/LO
SETTING	Setting items	Unit display / decimal place / capacity / minimum scale / 1/4 scale display / gravitational acceleration compensation / zero calibration / balance weight / span calibration / display frequency
	Final discharge... function	CODE NO. (CODE) / FINAL / SP1 / SP2 / Compensation / Under / Over / Auto FF compensation regulation / compensation input timer
EXTERNAL SIGNAL	Other function..... setting	• Clear, command (Digital Tare ON / accumulation clear etc.) • Control timer (start-measure timer / comparison inhibit timer etc.) • Control weight (tare / near zero etc.) • Comparison selection (near zero comparison weight / over / under comparison mode etc.) • Control mode (code assign / stable time etc.) • Control sequence (sequence mode / discharge gate control etc.) • Interface setting (RS-232C baud rate / SI/FII ID etc.) • Extended function selection (stable time filter / digital zero regulation etc.)
	External output signal (16)	Near Zero/ SP1/ SP2/ SP3/ Under/ Go/ Over/ Complete/ Discharge/ Low Limit/ High Limit/ Stable/ Weight Error/ Error/ Final Error/ Run Transistor open collector output (Emitter = COM terminal) Output is set to LO when transistor is ON. Vceo = 30V (max), Ic = 50mA (max)
INTERFACE	External input signal (23)	Gross or net / digital zero / tare on / tare reset / hold or judge / feed or discharge / accumulation command / accumulation clear / code assign / 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=10mA or lower
	INTERFACE	• SIF : 2-wire type serial interface • SI2 : 2-wire high speed bidirection serial interface • 232 : RS-232C communication interface (Option)
GENERAL SPECIFICATIONS	Power supply voltage	AC85~110V, 102~132V, 170~220V, 187~242V (Please specify when ordering) 50/60Hz
	Power consumption	Approx. 15VA
	Operation condition	Temperature : Operation temperature range : -10~+40°C Storage temperature range : -40~+80°C Humidity : 85%RH or less (non-condensing)
	External dimension	192(W)×96(H)×154(D)mm (not including projections) DIN-sized front
	Weight	App. 2.2kg
ATTACHMENTS	AC input cord(Nominal rating 125V)2m	1
	Spare fuse (1A)	1
OPTIONAL ACCESSORIES	Mini driver	1
	Loadcell connector (JRCconnector)	1
	57 series 50p connector	1
	Operation Manual	1
	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)	
	CN22 : 57 series 50p connector for external input/output	
	CN35 : D-sub25p connector for RS-232C	
	LB01-NH : Lithium battery (with NH connector)	

F850X1

Equipment Series with installed Checker Function