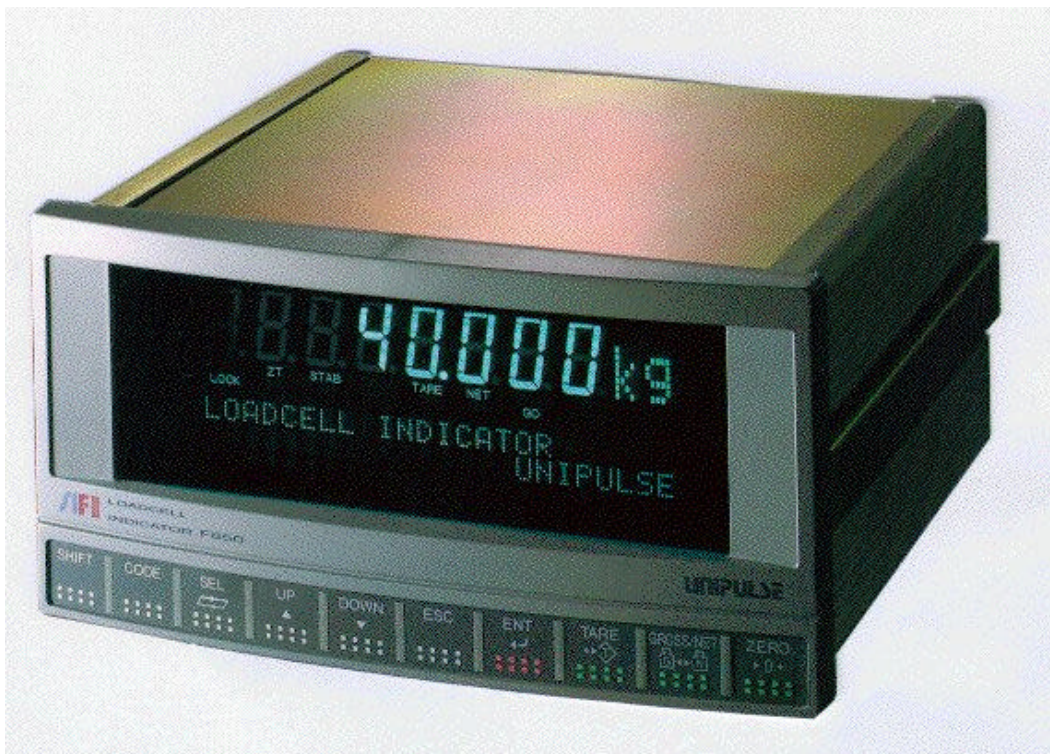


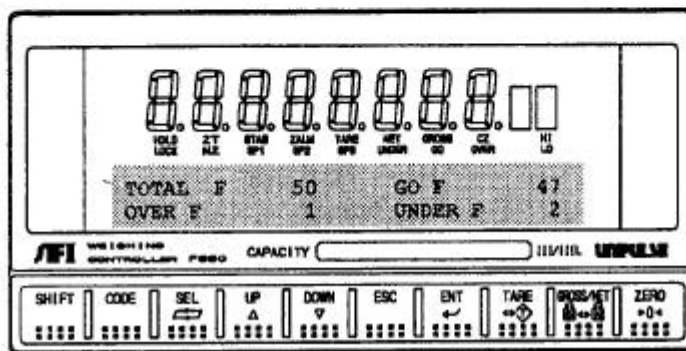
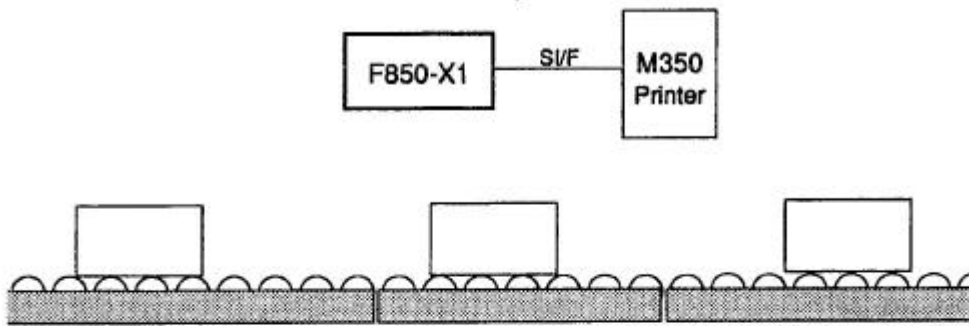
UNIPULSE CORPORATION

F850-X1 In-Motion Check-weighing Indicator

F850-X1 In-Motion Check-weighing Indicator is a variation of the original F850 weighing controller. The F850-X1 is your solution for production inspection, improving quality control by instantly correcting improper packing (cartons, bags or bottles).

Up to 100 memory sets containing **Target weights** with **Over & Under** are stored by code number. This allows presetting of weighing parameters for different product runs. F850-X1's unique feature of moving average analysis to start and stop weighing simplifies installation. A large, bright vacuum fluorescent display shows **Gross, Net, Last Checking Weight** or **Deviation from target Weight** and **Standard Deviation**. Other parameters shown in real-time are: **Total Quantity, Over/Under Target Weight, and Target Weight Quantity**. The **Sample Weight** function furnishes instant feedback on the check-weighing process. The **Deviation from Target Weight** and **Standard Deviation** function allows early correction of Quality Control problems. The optional M350 intelligent printer provides **automatic data logging**, improving production control while recording results to a **PC memory card**.





Main Features

1. High speed A/D conversion and powerful digital processing capabilities of 100 times/sec., for rapid response to input signal.
2. Preset value up to 100 coded groups of set point values with sequential running totals for each group
3. Precise head amplifier for outstanding accuracy (0.1 micron V/D. Celsius)
4. Bessel type low-pass analog filter (2,4,6,8Hz) and selectable digital filter (2,4,8,16. 32, 64,128 times per sec.) prevent the influence of vibration.
5. Self-Check and Watch-Dog timer function in CPU, ROM and internal circuitry to insure reliability
6. DIN-sized front panel and large 17mm (0.67 inch) display
7. Full digital front panel calibration
8. All setting value backed –up to non-volatile RAM and C-MOS RAM by lithium battery prevent data loss from a power failure.

Specifications

1. ANALOG

- a. Load cell excitation DC 10V \pm 5%
- b. Load cell current 120 mA (4-350 ohm load cells)
- c. Load cell cabling 4-wire standard, 6-wire with remote sensing
- d. Zero adjustment range 0 to approx. 2.0 mV/V (digital adjustment)
- e. Span adjustment range 0.3 to 2.0 mV/V (digital adjustment)
- f. Analog input signal sensitivity 0.3 micron V/ count
- g. Stability Zero drift: within 0.1 micron V/D. Celsius RTI (relative to input)
Gain drift: 5 ppm/D. Celsius
- h. Non-linearity within 0.01%/FS
- i. Analog filter Bassel type low-pass filter (-12dB/oct.)
2, 4, 6, or 8Hz selectable
- j. Conversion rate 100 times/second (10ms)
- k. Resolution 16 bits
- l. Display resolution 1/10,000 (Legal for Trade), 1/40,000 expanded

2. DISPLAY

- a. Display Original Vacuum Fluorescent Display
- b. Numeric display Eight (8) digits, 17mm (0.67 inch)
- c. Weight value display 5 digits Plus/Minus sign
- d. Character display 5 x 7 dot matrix display, 24 digits x 2 lines
- e. Unit Selectable g, kg, t, lb, N, none
- f. Decimal point Selectable 0, 0.0, 0.00, 0.000
- g. Display frequency Selectable 3, 6, 13, 25 times/sec. (internal 100 times/sec.)
- h. Scale capacity 5 digits (up to 99999)
- i. Min. scale division 1 to 100 selectable

3. INTERFACE

- SI/F 2-wire serial interface Connects Controller to printers and remote displays (up to 3 units).

4. GENERAL SPECIFICATIONS

- a. Voltage input AC100V, 120V, 200V or 220V \pm 10% 50/60Hz
- b. Power consumption Approx. 15VA
- c. Operating temperature -10 ~ +40D. Celsius (+14 ~ +104D. Fahrenheit)
Storage temperature -40 ~ +80D. Celsius (-40 ~ +176D. Fahrenheit)
- d. Humidity <85% RH (non-condensation)
- e. Dimensions 192W x 96H x 140mm (7.56 x 3.78 x 5.51 inch)
- f. Panel cutout size 186W x 92H \pm 0.5/-0mm
Panel thickness 1.6mm min.
- g. Weight Approx. 2.2kg (4.85lb)