



***A complete liquid-flow measurement and delivery control system . . . includes: totalizer, rate indicator, and dual preset batch counter***

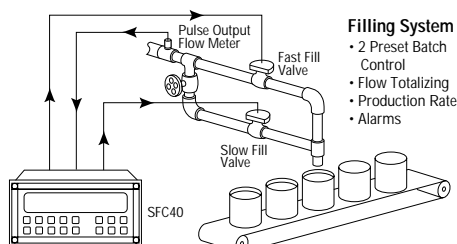
The SFC40 integrates three necessary functions required for efficient delivery, transfer, or dispensing of liquids. A seven decade totalizer keeps an accurate inventory of total volume. Flow rate can be instantly displayed, while high/low presets immediately produce alarm outputs if flow rate deviates outside of acceptable limits. Its six decade batch counter includes dual presets, each with an independent output, for use in two-stage flow control. Front-panel START and STOP buttons coordinate the outputs in the command of pump control circuitry. A full complement of programmable features assure that the SFC40 can be easily calibrated and configured to specific application requirements.

- Replaces individual totalizer, rate indicator, and batch controller
- Two calibrators: rate indicator, and batch controller/totalizer
- Bright, easy-to-see red LED display with programmable decimal point
- Rugged industrial grade enclosure – NEMA-4 rated front panel
- Totalizer provides grand total of all flow – 7 decades capacity
- Rate indicator with high/low alarm outputs
- Batch controller with dual limits and outputs
- Front panel START/STOP buttons, plus remote START, STOP, INHIBIT, and RESETS
- RS-422/485 communications for computer, printer, or PLC data transfer
- Non-volatile memory of program, preset, and counted data

The SFC40 can be used with any flow meter, or calibrated pump, that is compatible with the substance to be measured, and which provides suitable signal levels. It may also be applied to a variety of other production applications that require totalization, rate monitoring, and control of batch or lot size.

**For additional production monitoring features, see Series 7935 production data control**

#### Typical Applications:



## SPECIFICATIONS

**Input Power:** 100 to 130 VAC or 200 to 260 VAC, 50/60 Hz, 20 VA max.

**Accessory Power:** 12 VDC  $\pm 5\%$  @ 175 mA

**Rate Indicator:** Decades: 5; Accuracy: 0.01%; Update Time: 0.8 seconds; Calibrator: 5-decade, 0.0001 to 9.9999

**Totalizer:** Decades: 7; Calibrator: 5-decade, 0.0001 to 9.9999 shared with batch controller

**Batch Controller:** Decades: 6; Presets: 2, 6-decade

**Input Frequency:** 0 to 10 kHz (x1 logic); .1 to 10 kHz for rate

**Signal Input:** 3.5 to 15 volt squarewave @ 3.25 mA source

**Control Inputs:** Contact closure or 10 to 20 volt squarewave @ 2.5 mA sink

**Outputs:** Type: 4 solid state, current sink 100 mA max.; 28 VDC max.; 2 SPDT, 5 amp relays optional for batch controller; Operation: Batch controller is latch or momentary (0 to 99.99 seconds); Rate Alarms: Latch, momentary, follow

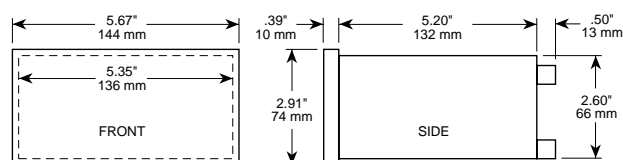
**Serial Communications:** RS-485/422

**Operating Temperature:** 32° to 122°F (0° to 50°C)

**Diagnostics:** User initiated tests of inputs, outputs, keyboard

Model No.	Description
SFC400S00	SFC40 without relays; 115 or 240 VAC, selectable
SFC401S00	SFC40 with relays; 115 or 240 VAC, selectable

#### Dimensions:



**Panel Dims:** Cutout: 2.68" x 5.43". Thickness: 1/16" to 1/14". Depth: 5.68" min.