Model RW2850 (TC)
TEMPERATURE COMPENSATED TWO STAGE BATCH TOTALIZER & RATE INDICATOR

The model RW2850-TC is a Temperature or Density compensated batch Totalizer/Rate Indicator with selectable 16 pt. linearization. This unit allows viewing ofbatch total and flow rate indication. The RW2850TC features 8 digits of bright .55", alphanumeric display, and can accept up to 10KHz and a direct 100 Ohm platinum RTD or analog input. An 8-digit floating decimal, "K" factor convert, inputs to meaningful count and rate data. The user can easily view preset value, temperature, density, rate, total or grand total. A scaled pulse output is provided by an open collector driver. Since the output frequency is user selectable @ 10,200, 2K or 20K Hz, the unit can transmit the count data to electromechanical or electronic counters as well as computers, programmable controllers or other monitor equipment.

An analog output allows the user to select low and high settings to control strip recorders or other peripherals. A 16-point linearization variable K-factor option makes flow systems more accurate and often extends the usable range by allowing the users to dial in different K-factors for different flow rates. The model RW2850-TC is recommended for flow meters whose K-factors change with different rates of flow. From 3 to 16 points of frequency (0-10,000 Hz) and K-factors greater than .0001 are programmed in at set-up. The unit uses 8-digit floating math to interpolate between settings. Rate per second, per minute, or per hour programmability eliminates the need to calculate separate K-factors for total and rate.

Features:
- Temperature or Density compensation
- 2 user-programmable set points for 2-stage valve control 16-point linearization
- 4-20 mA output proportional to flow rate or total
- Scaled pulse output

Model RW2850 TC Specifications

Display:
8-digit 0.55" 15 segment red orange LED

Power input:
110VAC ±15% 50/60 Hz @3.2VA
220VAC ±15% 50/60 Hz @3.2VA
12-27VDC ±20% @250mADC

Power output:
AC units only: 12VDC regulated @ 100mA
Separate isolated 12VDC @ 100mA ±5%
Power combinations: ±12VDC or 24VDC

Flowmeter input:
3-30VDC pulse; impedance 10K ohms; 10µs min pulse width with positige edge active; 40KHz maximum frequency

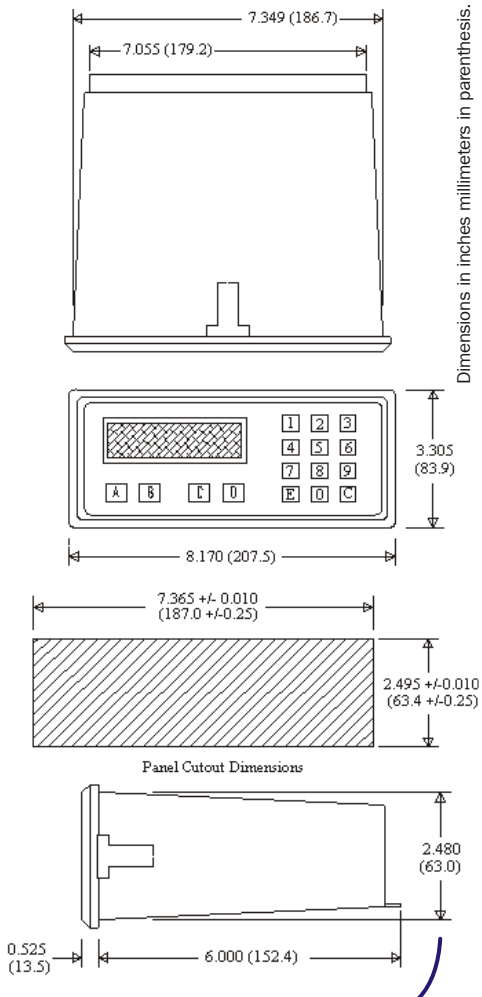
Accuracy:
· Digital input: 100%

Engineering units:
English and Metric units available selectable through the front

Memory:
EEPROM stores all programs and count data a minimum of ten years if power is lost

Temperature:
Operating: 32-130°F(0-54°C)
Storage: 40-200°F(40-93°C)

Dimensions



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