

CFI100

4-20mA Pulse Input Flow Indicators / Totalizers / Transmitters



OVERVIEW

CFI 100 are versatile flow indicators for measuring and totalizing flow variables. These indicators have 2 indicating modes, Rate of flow and Total Flow. Rate flow indication can be programmed for linear / square root / Lookup table conversion.

2 Channel indicators are available which can display differential rate of flow as well as individual rate of flow.

These indicators can be used for a wide variety of sensors like DP sensor, Ultrasonic Flow Transmitters, Magnetic Flow transmitters etc.

Low voltage drop models are also available for connecting multiple indicators to the process loop. All indicators can provide up to 500mA of power at 18/24 V for sensors.

Optional features include relay output and RS485/MODBUS outputs. A total of 4 set points can be programmed to operate 2 relays maximum. RS485 with MODBUS interface is available for connection to PLC's/ computers.

Batch mode operation is possible for batching applications. for about 5 years*.

FEATURES

- $\pm 0.05\%$ Accuracy
- 2 wire / 3 wire compatible
- Rate of flow / Total Flow Indication
- 1Channel / 2 Channel
- Differential Indication
- Linear / Square root / Lookuptable Linearization
- 4½ Digit Display / 16 Character 2 line LCD display Backlit
- 4 Programmable Set-Points
- 1 or 2 Relay outputs
- 500mA Sensor Power supply from instrument



An ISO 9001:2008 Company

SPECIFICATIONS

Input	4-20 mA / 0-20 mA / 0-2.5V / 0-5V (Factory settable)
Number of Channels	1, 2 (Optional)
Indication	4½ Digit LED / 16 Character 2 line LCD display Backlit
Indication Modes	Rate of Flow and Total Flow indication 3 Possible modes for differential indicator (1 Differential rate flow indication and 2 individual channels)
Voltage Drop	2.5 V Maximum on Current input models
Input Impedance	10K Ohms on Voltage input models
Resolution	13 Bits
Accuracy at 25° C	± 0.1% of span ± 1 Count
Temperature Variations	0.1 Count / C typical (0.2 Count / C Max.)
Operating Temperature	0 - 50 °C
Storage Temperature	-40 - 85 °C
Conversion Modes	Linear / Square root / Lookuptable Linearization
Relative Humidity	5% - 95% RH non-condensing
Output	Relay output 1 or 2 relays 220V, 5A Contact rating
Optional Output	RS485 / MODBUS



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