

CFI200

2 Line LED Flow Indicator with Pulse I/P



OVERVIEW

The CFI 200 is an extremely rugged and versatile pulse input flow indicator. These indicators can be used for a wide variety of applications where accuracy and dependability are essential. These indicators accept pulse input. Two indicator modes are available: Flow Rate and Total Flow. The Rate of Flow is shown in Line#1 and Total Flow in Line#2. In addition, all these instruments are field programmable and have nonvolatile backup memory that does not need cumbersome batteries.

These instruments also have the capability to switch on relay(s) based on user settings. These outputs can be used for process set points and alarms. These instruments are compact and can be easily mounted in a panel. These instruments have RS485 or RS 232 option for communication to PC. All the parameters are saved in a non-volatile EEPROM memory which doesn't need any external battery. There is an advanced power fail feature by which even if there is any power failure the Total Flow reading is automatically saved to memory and resumes with the same value after Power On.

These meters can also be used for Batch operation. Here the total volume of liquid to be measured can be programmed and the instrument can switch OFF a relay automatically after the required batch is completed.

FEATURES

- $\pm 1\%$ Full scale accuracy
- 5 Digit LED displaying rate of flow
- Rate of flow / Total Flow Indication
- 8 digit LED's indicates Total Flow
- Programmable Relay Outputs
- Batch Mode Operation
- Variety of Sensor Fittings
- RS232/RS485 - MODBUS Communication
- Panel Mount, Table Top
- Field Programmable through four keys
- Compact Size
- Reed Switch input / Paddle wheel input



SPECIFICATIONS

Power	1 Watt maximum
Indication	5 digit LED's indicates Rate of Flow / 8 digit LED's indicates Total Flow
No of Channels	1
Signal Type	Pulse Input 0-12V DC maximum
Signal Frequency Max.	See Chart in Restrictions Section
Output Power	12V DC Regulated at 250 mA maximum (no fuse provided)
Indication	Rate of Flow in LPS, LPM, LPH, M3/s, M3/min, M3/hr with programmable decimal points Total Flow in Litres, M3.
Conversion Type	Flow Pulses are averaged using the last 16 flow rate values. Flow rate is sampled every 1 second. Total flow values are measured using 2 32bit counters. These counters work at all times when the unit is powered ON
Operating Temperature	0 - 50 °C
Storage Temperature	-40 - 85 °C
Humidity	5% - 95% RH non-condensing
Accuracy	No pulses missed over the operating frequency range
Program Variables	Saved in non-volatile EEPROM. No battery backup necessary.
Programming Method	100 years maximum
Housing	Panel mount 96x96x110 mm



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