

Differential Input Process Indicator



OVERVIEW

CPI 300D instruments are Dual Channel Differential Reading instruments.

CPI 300D measure and display process parameters like level, Pressure, Temperature, Flow, Vibration, Humidity, Wind Speed and more.

These instruments accept a voltage or current input and convert them to the programmed process variable

Settings are saved in non-volatile memory and no battery backup is required.

The user can program two independent display modes. Typical applications include Level and Volume display in the same instrument

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, and for controlling pumps. These instruments are panel mount

Optional features includes: RS485 / MODBUS network protocol, Upto 2 relays can be programmed using 4 setpoints and current output of 4-20mA.



ADVANTAGES

- 5 digit LED's with two mode indicating LED's
- 4-20 mA or 0-20 mA current input, 0-5VDC or 0-10VDC Voltage Input
- 2 Wire / 3 Wire Compatible
- Linear, Square root, Lookup table conversion
- 0.05 % Accuracy
- 2 Programmable Indicating modes
- 4 Programmable Setpoints operating 2 relays
- RS485 / MODBUS Network
- Upto 250mA Instrument Power supply
- Panel Mount Enclosure (96 X 96 X 110)
- 4-20mA Current output





CPI 300D SPECIFICATIONS

Power supply	220 VAC \pm 10 %, 12 – 24 VDC (Factory settable only)
Power consumption	1 Watt maximum
Indication	5 digit LEDs with two mode indicating LEDs (Displays the two channels input and also displays difference between those two channels)
No of Channels	2
Signal Type	4-20mA
Signal Maximum	Protected for 40mA continuous
Output Power	24V DC Regulated at 250 mA maximum (no fuse provided)
Relay output	1
Zero and Span	-19999 to 19999
Operating Temperature	0 to 50 Deg Cel
Conversion Type	Linear, Square root, Lookup table (16 points max.)
Operating Temperature	0 – 50 °C
Storage Temperature	0 – 60 °C
Humidity	0 – 80 non condensing
Accuracy	\pm 1 Count over a conversion range of 0 – 8192 counts
Program Variables	Saved in non-volatile EEPROM. No battery backup necessary. Data retention 100 years maximum
Programming Method	From keypad provided in the instrument
Housing	Field mount, Panel mount (96 X 96 X 110)
OPTIONAL	
Power supply	12 – 24 VDC (Factory settable only)
No of Channels	2
Signal Maximum	Protected for 40mA continuous (4-20mA or 0-20mA models) 20V DC (0-5 or 0-10VDC models)
Output Power	12V DC Regulated at 250 mA maximum (no fuse provided)
Signal Type	0-20mA (or) 0-5VDC (or) 0-10VDC (Factory settable only)
Relay output	2
Communication	RS-485 (MODBUS), RS-232
Current output	4-20mA