

# Process Controller Model 2602

## Features

- Microprocessor based precision controller
- Linearised for 7 types of common thermocouples & PT100 Temperature sensor with Auto cold junction compensation
- Input for 4-20mA / 0-20mA / 1-5V / 0-5V from Tx for Pressure, Humidity, pH, Temperature etc.
- Display user programmable from 0 to 9999
- 4 Digit 0.56" Bright 7 Segment LEDs
- Decimal user settable
- Separate heater & cooler logic relays
- Hysteresis of relay control settable
- Offset separately programmed from front
- Configuration lockable by rear jumper
- Excitation voltage for loop Tx. Sourced
- Touch type membrane control keys



## Specifications

- Display : 4 Digit 0.56" Red 7 Segment LED display
- Inputs : Linear (Universal from Tx)  
0-20mA, 4-20mA, 0-5V & 1-5V  
Non-linear (temperature sensors)  
T/C – B,E,R,S,T,J,K and 3 Wire PT100
- Accuracy :  $\pm 0.25\%$  of SPAN  $\pm 1$  Count
- Resolution : Settable 0.001 to 9999 for linear inputs  
Settable 1.0 or 0.1 for Temperature Display
- Control : 2 Set of Control Limits  
Set-1 heater logic & Set-2 cooler logic  
5 Amps/220V AC Relay Contact output  
Hysteresis settable
- Calibration : By software. Ambient by rear Pot
- Configuration Lock : Jumper at rear
- Exciter Voltage : 24V @ 30mA for loop Tx
- Power : 220V AC  $\pm 15\%$  @ 50/60 Hz
- Ambient : 0-55°C
- Humidity : Up to 90% (non-condensing)
- Power Consumption: 10VA
- Case : 48 x 96 x 180 mm Plastic ABS
- Front Fascia : 48 x 96 mm
- Panel Cutout : 45 x 92 mm

Manufactured By

**COUNTRONICS**

[www.countronics.com](http://www.countronics.com)

[countron@nde.vsnl.net.in](mailto:countron@nde.vsnl.net.in)