

## UNIVERSAL TEMPERATURE CONTROLLER LOGGER, CT701C



### Features:

- Data saved directly on USB Pen drive in an MS Excel compatible file
- Microprocessor based linearised for J/K/R Thermocouples and PT100 temperature sensors.
- Auto cold junction compensation for thermocouples and 3 wire input for PT100
- Rate of logging settable by user in Mins:Secs
- Digital offset user settable
- Heat/Cool mode for control action user settable
- Set Point for temperature control user settable
- Internal Real Time Clock with battery backup for saving values along with Date and Time
- No need of any complicated or additional software for managing data
- Saving data on Pen drive allows a very large amount of storage space at very low cost.

### Specifications

- Display : 0.56" Red LED display for Set Limit  
0.56" Red LED display for Temperature
- Sensor : J/K/R Thermocouples and 3 wire PT100 sensor user selectable
- Range : J-T/C : 0 to 750°C K-T/C : 0 to 1250°C R-T/C : 0 to 1700°C  
PT100: -100.0 to +600.0°C
- Resolution : 1°C for thermocouples and 0.1°C for PT100
- Set Limit : J-T/C : 0 to 750°C K-T/C : 0 to 1250°C R-T/C : 0 to 1700°C  
PT100: 0.0 to +600.0°C
- Digital Offset : User settable
- Logging Rate : 1 second to 99Mins59seconds
- Data Logging : Directly create a .csv file on the Pen Drive (compatible with Excel)  
giving a tabular format values of Date, Time and selected channels
- Real Time Clock: Adjustable Calendar (Month/Date) and Time (Hrs:Mins)
- Accuracy :  $\pm 1^\circ\text{C} \pm 1$  Least Significant Digit for Thermocouples  
 $\pm 0.1^\circ\text{C} \pm 1$  Least Significant Digit for PT100
- Control Relays: Potential free NO-P-NC of 5A/220V AC contact rating
- Power Supply : 230V AC  $\pm 15\%$  at 50/60Hz
- Mounting Type: Panel Type
- Front Facia : 96mm x 96mm