8 CHANNEL UNIVERSAL SCANNER LOGGER, CT708U

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.
- 4-20mA input with Low, High and resolution individually settable for each channel.
- Auto cold junction compensation for thermocouples and 3 wire input for PT100
- Number of usable channels selectable.
- Auto/Manual mode of scanning selectable
- Rate of logging settable by user in Mins:Secs
- Digital offset user settable for individual channels
- Internal Real Time Clock with battery backup for saving values along with Date and Time
- No need of any 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 Channel Number. 0.56" Red LED display for Process Value
- **Sensor** : J/K/R Thermocouples, 3 wire PT100 and 4-20mA input 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
  4-20mA: -1999 to 9999 with resolution of 0.001, 0.01, 0.1 and 1
- **Resolution** : 1°C for thermocouples, 0.1°C for PT100 and user selectable for 4-20mA
- **Channels** : Maximum 8
- **Scanning Rate:** User settable from 1-99seconds
- **Digital Offset** : User settable individually for each channel
- **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** : ±1°C ± 1 Least Significant Digit for Thermocouples.
  ±0.1°C ± 1 Least Significant Digit for PT100
- **Power Supply** : 230V AC ± 15% at 50/60Hz
- **Front Facia** : 96mm x 96mm

Format of saved data

DATA LOGGER							
Start Date-16/04							
Start Time-17:41:48							
DATE	TIME	CHAN	CHAN	CHAN	CHAN	CHAN	CHAN
Dt/Mn	Hr:Min:Sec	1	2	3	4	5	6
16/04	17:41:48	17.2	17.2	35.6	17.2	35.6	35.6
16/04	17:41:58	17.1	17.1	35.5	17.1	35.5	35.5
16/04	17:42:11	17.2	17.2	35.5	17.2	35.5	35.5

ALPHA ENGINEERING AND SYSTEMS