

Single Channel Data Logger : Wi-Fi-CCMS



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Basic Description: This system is used for multi-point data accumulation e.g. if there are multiple points where temperature is to be monitored and recorded locally. The alarms will be generated locally. Such multiple instruments will be interfaced to a PC through a centralized receiver.

Specifications:

Input - Analog:	PT100 / PT100 / 4 – 20 mAmp / 0 – 5 VDC
Input – Digital:	One Digital Input
Display:	16 Character x 2 Line alphanumeric LCD Display
A-D Converter:	18 Bit Analog to Digital Converter
Logging Interval:	1 Sec. to 1hour (User Selectable)
Logging Types:	Continuous / Value Triggered / Time based
Data Storage:	60,000 Samples (Expandable to 120,000 Samples)
Data Retrieval:	Data Retrieval on a PC through Wireless receiver
Real Time:	Internal Real Time Clock with Battery Back Up
Wireless Freq.:	Wireless Communications (2.4GHz License Free)
Wireless Range:	500 mtr with clear line of site communication
Alarm:	Local Audio - Visual alarm
Operating Power:	Mains Power operated adapter / charger provided with the system with Internal rechargeable Li-Ion battery.
Operating Time:	Approx. 1 day when fully charged
Battery Life:	Approx. 4 Years

Application Areas:

Cold Room temperature monitoring – like Blood Banks, Pharmaceutical store rooms, Deep Freezer Temperature Monitoring, HVAC room temperature monitoring.

(The application is mainly Temperature Monitoring of Deep Freezer / Cold rooms with Door open – Door Closed recording)

Optional Features:

USB port for each data logger to download the stored data locally

GSM (SMS Facility) in the receiver to report the alarming conditions to the concerned persons over SMS