

Portable Data Logger

INTRODUCTION

Portable Data Logger feature latest technology support and helps in logging physical parameter of multiple locations and save it into SD card. It can handle inputs of up to 8 channel(4 channel for analog/Digital sensors each) made available to log data from interval of 600 sample/sec to 1 sample/week. This data logger come with menu based options which can be used to select which channel and which sample rate is used for logging.

APPLICATION

- Environmental chambers, Laboratory equipments
- Heat treatment, large funnels furnace / oven temperatures at various locations.
- Green House, Ware House , Power plant.
- Plastic / packing industry. Aircrafts Cabins , Refrigerate Truck , Containers, Food Transportation.
- Validation of cold- chain shipping and storage process (e.g,blood plasma, red cell storage, pharmaceuticals,frozen tissue , dry ice shipments)
- Chemical Industries for pH measurement★.

AVAILABLE MODELS IN DIFFERENT APPLICATION

- Temperature Measurement :- Sensor :-LM-35,RTD,Thermocouple.
- Humidity Measurement:-Sensor:-RTD,Humidity.
- pH measurement :-pH sensor RTD.

SPECIFICATIONS

- **Design:** Microcontroller based (ARM) with 8 channel available for sensors (4 channel for analog/Digital each).
- **Display:** 20*4 LCD Display/ Touch Panel .
- **Analog Sensor Input:** LM35/RTD/Thermister/Thermocouple/pH/Humidity.
- **Digital Sensor Input:** PIR/Fire Sensor/Vibration sensor/Magnetic Sensor.
- **No. of Channel:** 8 (4 for analog input/4 for digital input).
- **Memory:** SD Card (For Available in selected module only).
- **Protocol:** FAT32.
- **Options:** High rate/Low rate/Trigger mode/Channel Selection/buzzer Alarm.
- **Log Interval:** 600 samples/sec to 1sample/week.
- **Timing:** Build In Real Time Clock.
- **Supply:** AC operated/Battery Operated/DC Operated.
- **Data Storage:** In a Ms Excel Sheet, Each records are stored with Time & Date stamp.
- **Relay Interface:** Can be used to interface a +12V DC component.
- **Data Logging:** Real Time with programmable log and storage time.
- **Settings:** Using a Hex keyboard to set the various parameters, to configure the channel and to manually set rate for the sample and hold the channel number.
- **Size:** 96x96 mm Industrial Panel.
- **Enclosure:** Hand Held / Wall mountable / Panel Mountable.
- **Output :-** 4 to 20 mA.

OPTIONAL FEATURE SPECIFICATION.

- **GSM:-** Optional GSM Module With SMS Provision.
- **USB :-** For PC interface/data transfer to serial COM port.
- **MOD BUS:-** For PC interface.
- **GPRS :-** WI-Fi/ Ethernet



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