STAND-ALONE IOT DATALOGGER

INTRODUCTION

Stand-alone Data logger is an innovative product from Vyom IOT Machines sporting latest technology and is a key tool to collect various physical parameters for further analytics. The device serves best in the situations requiring both stand-alone and portability features. Being very handy and light weight, it can be conveniently carried out in the pocket making it suitable for situation demanding temporary data collection. It is a universal product designed to be used anywhere in the world with the advantage of logging data in any local time zone.

TYPICAL APPLICATIONS:

- Environmental chambers and Laboratory Equipments.
- Hospitals and other establishments seeking clean room standards.
- Standalone Environmental/Weather monitoring stations.
- Heat treatment, large funnels furnace / oven temperatures at various locations.
- Green House, Ware House, Power plant.
- Plastic / packing industry. Aircrafts Cabins, Refrigerated trucks, Containers, Food Transportation.
- Validation of cold- chain shipping and storage process (e.g, blood plasma, red cell storage, pharmaceuticals ,frozen tissue , dry ice shipments)
- Configurable as GPS tracker with options of multiple stream data collection system in valuable consignment tracking.

TECHNICAL SPECIFICATIONS:

- **Design**: 32-bit RISC CPU: Tensilica Xtensa LX106.
- **Connectivity**: IEEE 802.11 b/g/n Wi-Fi; WEP or WPA/WPA2 authentication, or open networks
- **Display:** 16*2 RGB LCD Display.
- **Analog Sensor Input:** LM35/RTD/Thermister/Thermocouple/pH/Humidity.
- **Digital Sensor Input:** PIR/Fire Sensor/Vibration sensor/Magnetic Sensor.
- **No. of Channel**: 4 (1 for analog input/1 for digital input, 1 for I^2C, 1 for SERIAL).
- **Options:** Channel Selection/buzzer Alarm/High battery backup.
- **Log Interval:** 1 samples/sec to 1 sample/week.
- **Timing:** Supports multiple time zones and is updated via internet.
- **Power Supply:** DC Operated/AC 1A USB adapter.
- **Data Storage**: On cloud in MS Excel Sheet, with Time & Date stamp & Time zone in a .CSV file.
- **Data Logging**: Real Time with programmable log and storage time.
- **Settings**: Configurable online via webpage/mobile app.
- **Size**: 8.1*5.1*4cm.
- **Enclosure**: Hand Held / Wall mountable