

# IOT BASED DATA LOGGING SOLUTIONS



Cold Storage Monitoring

Server Room Monitoring


Industrial Automation  
Solutions

Blood Bank temperature  
monitoring

Thermal Printing based  
data logger

Motor Pumping  
Automation System

 [adrtechindia.com](http://adrtechindia.com)

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# ***Advance Tech India Pvt. Ltd.***

## **Data Logging Solutions**

We Manufacture and Design various data loggers and our all systems are portable measurement instruments that is capable of autonomously recording Industrial or Environmental parameters on a defined period of time. The digital data can be retrieved, viewed and evaluated after it has been recorded.

### **List of Products/Solutions we offer Data logging and Monitoring -**

- Temperature monitoring data logger for Blood-Banks, Cold rooms, Incubators or any other requirement
- We are manufacturing Temperature Humidity Data loggers for Server room warehouse and other ambient temperature humidity monitoring solutions
- We also provide Environment sensor integrated with data logger as Automatic Weather Monitoring Stations or Air Quality monitoring solutions or Soil Health Monitoring
- We provide wide range of Data logger based Industrial Solutions such as Process Monitoring, Live Metering solutions, Logging and Monitoring Intrusion Detection systems
- Environment Monitoring Display
- PLC Based Automation

### **Different Models and Applications of Data Loggers we Provide**

**ATM DL03 -**



Cold Room Monitoring  
Warehouse Monitoring  
Server Room Automation  
Intrusion System

**ATM DL05 -**



Blood Bank Refrigeration Monitoring  
Environment Monitoring Station

**ATM DL06 -**



Air Quality Monitoring  
Soil Health Analysis solution  
Flame Proof Data Logging Solutions

### **Our Prime Customers**





# MONITORING AND ALERT DATA LOGGERS



Soil Health  
Monitoring

## Applications

Agricultural Productivity

Smart Poly house

Easily Measure :

- Moisture
- Conductivity
- Ph



Intrusion Alert  
System



Temperature , Humidity  
Data Logger

## Applications

Cold Storage ,Fridge & Freezer

Laboratory Life Sciences

Environmental, Pharmaceutical

Warehouse, Greenhouse, Server

Room



Get Alerted / Notified on  
Your Mobile Phone





# Cold Room / Warehouse Monitoring



## Temperature and Humidity Data Logger

**ATM DL03**

- Support on all kind of Cold Storage
- Battery operated (Back up Up to 6-8 hours)
- 8 GB memory card storage
- Analog / digital / 4-20 mA / 0-5V input ports
- WIFI Connection, Remote Server Monitoring

## Application

- Potato Cold Storage Room**
- Fish And Seafood Cold Storage**
- Bakery Cold Storage Room**
- Apple Cold Storage Room**
- Blood Bank Storage Room**

# Wireless Sensor Technology for Cold Chain Industry

Cold storage temperature data logger will store cold room temperature Data. every second that changes of temperature changes store a date and time-wise, and alert a minimum and maximum temperature of cold room

For Demo Call Now

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## Key Features

- **Temperature Range: - 20.0 to +60.0 C**
- **Humidity Range: 0 to 100 %RH**
- **Easy to Install**
- **GSM & GPRS Operated**
- **Cloud Facility**







# Blood Bank

## Temperature Data Logger



**ATM DL 03**

**AdvanceTech Temperature data loggers can be used to monitor and record the temperature of refrigerators and freezers and general Storage areas. Blood Samples are required to be maintained in the prescribed storage range to keep it healthy.**



**Online Monitoring**



**Alarm  
Buzzer, SMS, email**



**PC Connectivity  
USB, Ethernet**

# Blood Bank Solutions

## Temperature Monitoring Solutions



## Data Logger

## Applications

- 1 **Clean Room Monitoring**
- 2 **Vaccine Monitoring**
- 3 **Cold Chain Temperature Monitoring**
- 4 **Pharmaceutical Storage**
- 5 **Autoclave Validation**



# Server Room/ Data Storage Centre Solutions

## Monitoring & Alert Data Logger



## Main Features

- 1 Robust measures for access control and surveillance.**
- 2 Sensors can detect and smart alert the admin officer via different ways.**
- 3 Smoke detection, water leakage detection, live measurement of temperature humidity, Access control and many other applications**
- 4 The Data Logger can record data and send alerts via SMS, missed call, and hooter Alarm.**
- 5 Real-time data monitoring: Cloud dashboard for instant insights.**



# Block Diagram

## Design of Server Room/ Data Storage Centre

### Server Room/ Data Centre



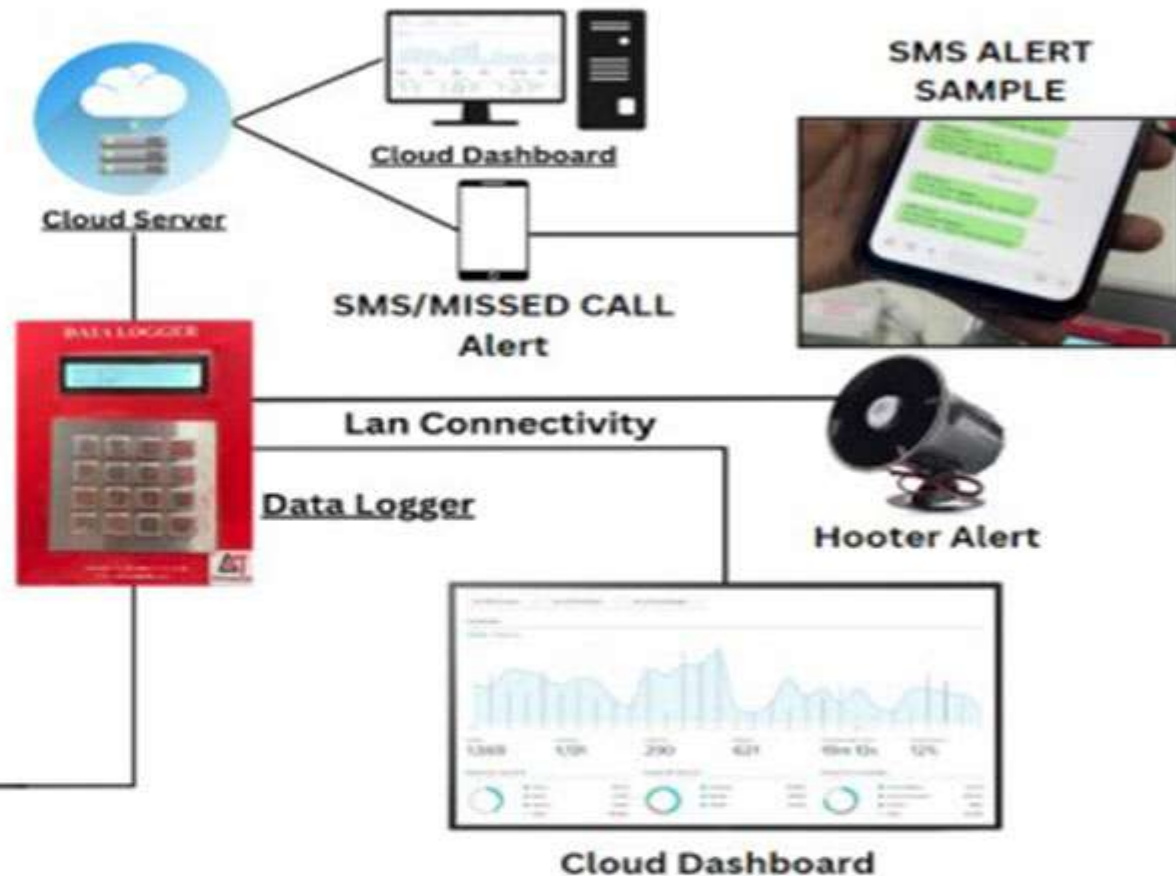
Temperature Humidity Sensor



Water Leakage Detection Sensor



Smoke Sensor



## DESCRIPTION

- A Server Room/Data Storage Centre is a secure facility designed to house servers and store data.
- It employs various sensors, including Smoke Sensors, Temperature & Humidity Sensors, and Water Leakage Sensors, which are all connected to a data logger.
- The data logger collects information from these sensors and provides real-time data on a cloud dashboard.
- In addition, customers receive SMS alerts, missed call alerts, and hooter alerts at the installation site to promptly notify them of any abnormalities or critical events.



# Prime Customers

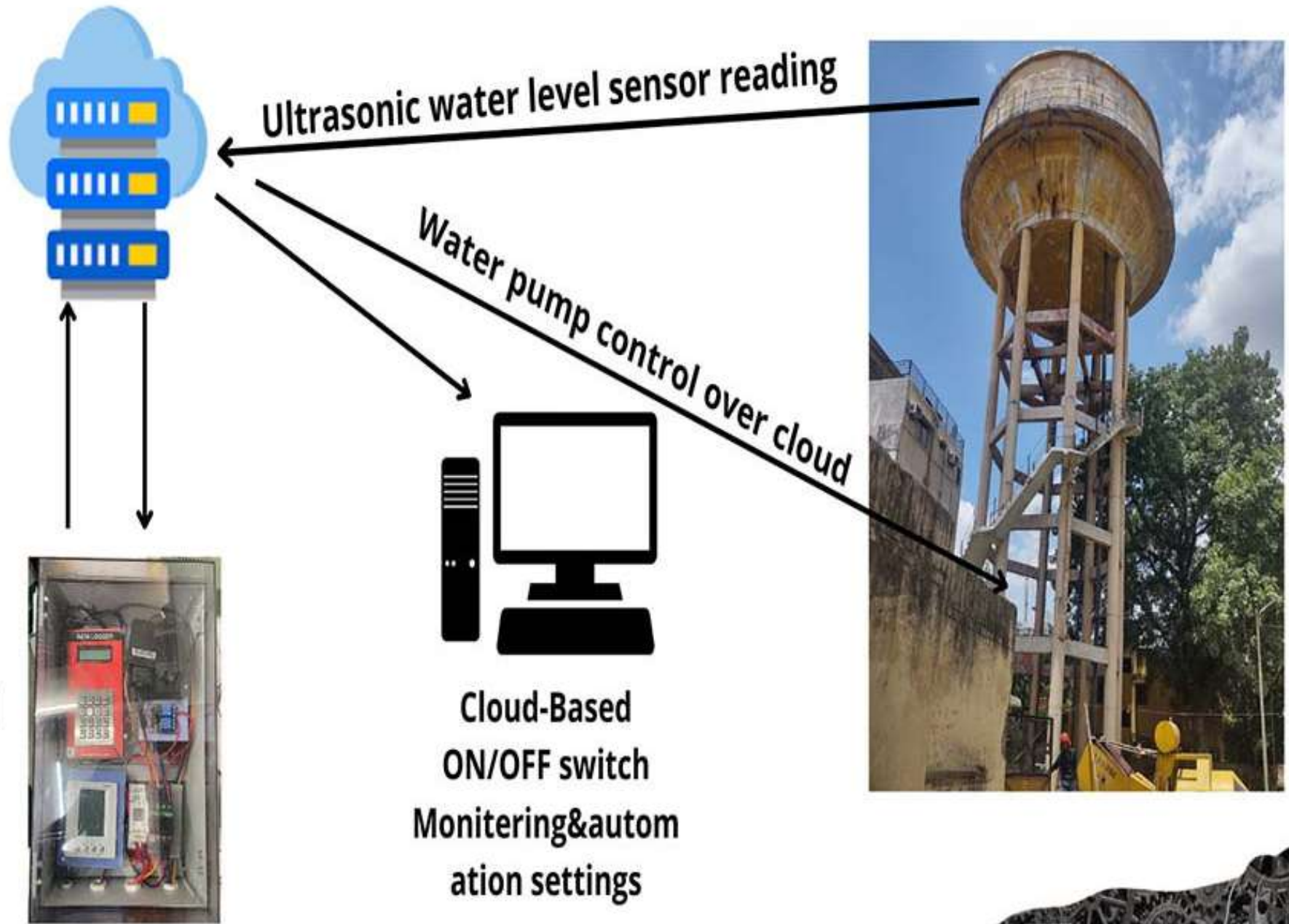
1. Nucleus Software (Noida, UP)
2. C-DAC (Noida, UP)
3. Aster network (Gujarat)
4. Pujaso Technologies (New Delhi)
5. ozone biotech (Faridabad, Haryana)

**& Many More Application based Clients.**





# Application of IoT-Based Water-Pump Control System



**IoT Based  
LOGGER**

**Cloud-Based  
ON/OFF switch  
Monitoring & autom  
ation settings**



**AdvanceTech India Pvt Ltd.**

# Thermal Printer Data Logger



**AdvanceTech**  
All The Technology You Need



## Features

- Compact style with Battery backup
- Password Protected
- Real Time Temperature Monitoring with printable format
- In Built Sensor and Thermal Printer
- Installed in Govt Institutions like Indian Air Force Jammu, Indian Air Force Ambala, Lucknow and many other.



# Technical Specifications



## Data Logger

- Temperature and humidity monitoring
- 4-20 mA/0 to 5v Input
- 16x2 Led Display
- Password Protection Facility
- Internal Data Storage
- Downloadable Data Through Memory Card
- Back 1 Month Data Printout Facility
- Battery Backup facility
- In-built Thermal Printer

## Sensor Specifications

- Operating Current - 100  $\mu$ A
- Operating Temperature - -40-125  $^{\circ}$ C
- Temperature Sensor Range - -40-125  $^{\circ}$ C, with  $\pm 0.3^{\circ}$ C accuracy
- Input voltage (VCC) - 3.3 volts or 5 volts
- I/O Logic Level - 3.3 volts or 5 volts based on VCC
- Humidity Sensor Range - 0% - 100% (Relative Humidity), with  $\pm 2\%$  accuracy





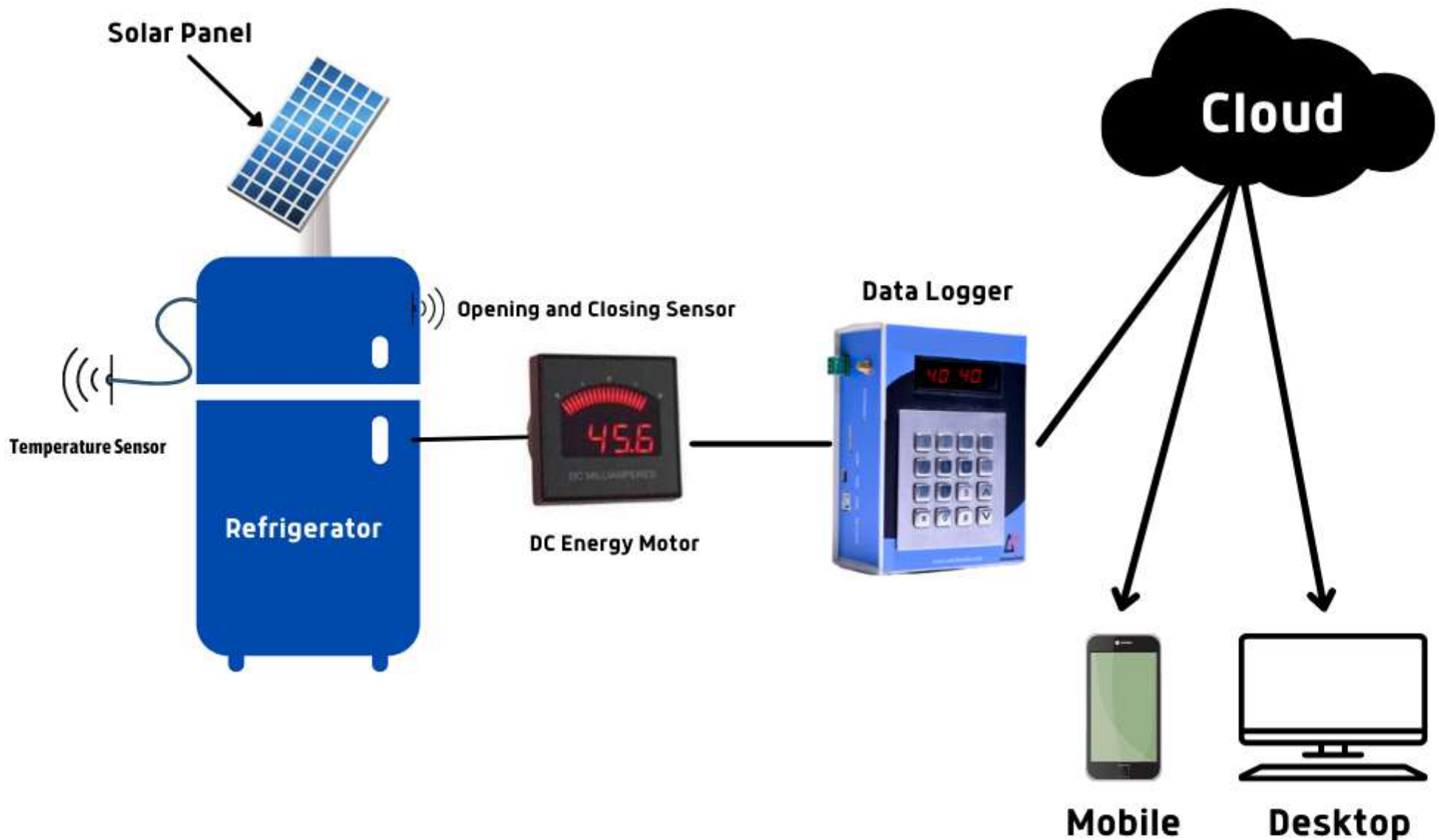
# Temperature Monitoring Data Logger for **COVID-19** Vaccines

AdvanceTech India Pvt Ltd Temperature Monitoring DataLogger is an instrument that Monitors and Records Temperature changes in conditions over time. it's a Major Product for vaccines and pharmaceutical Sector





# Data Logger for Solar Refrigeration Systems



## Features -

- 1- IOT based Monitoring and Recording for solar-based solutions
- 2- Parameters Included such as energy Consumption, Door Opening & Closing, Temperature Humidity, and many more.
- 3- Online Monitoring via Android Application and Software for PC
- 4- Advanced Analysis for a predictive measure to be taken
- 5- Audio, Visual, and SMS alerts are available for all important application



# INTRUSION ALERT SYSTEM



## Benefits

- Reputation-managed protection
- Multiple threat protection
- Dynamic threat response
- Fewer security incidents
- Selective logging
- Privacy protection

Mobile Alert Facility  
Also available





# SALINITY SENSOR WITH DATA LOGGER



# Industrial Automation Solutions

**ATM DL 03**



**ATM DL 05**

**ATM DL 06**



- Automation project (Monitoring, Measuring & Control using IoT).
- Temp. & Humidity data Loggers portable, wireless, and LAN based.
- CO2, O2 & other gas detectors data logger.
- Modbus-based data loggers.
- Large-size industrial production display solutions.
- Sensors Automation solutions.
- Weighing measurement solutions.
- PLC-based projects & applications.
- Any other customized project applications.
- Production line monitoring system.



# CASE STUDY OF PROJECT-BASED DATA LOGGER

## 1 NATIONAL INSTITUTE OF BIOLOGICALS

NOIDA

TEMPERATURE DATA LOGGER (ATM DLO6 )

QUANTITY OFFERED - 5

ADVANCETECH INDIA PVT. LTD. PROVIDES TEMPERATURE DATA LOGGERS WITH SENSORS TO MONITOR VARIOUS CRUCIAL PARAMETER USING IOT AND CLOUD-BASED APPLICATIONS.



## 2 INSTITUTE OF PESTICIDES FORMULATION TECHNOLOGY

GURUGRAM

TEMPERATURE DATA LOGGER (ATM DLO6 )

QUANTITY OFFERED - 7

ADVANCETECH INDIA PVT. LTD. TEMP. DATA LOGGERS WITH SENSORS TO MONITOR VARIOUS CRUCIAL PARAMETER USING IOT AND CLOUD BASED APPLICATIONS. IPFT USING OUR DATA LOGGER FOR MEASURING TEMP PARAMETER .



## 3 INDIAN INSTITUTE OF PULSES RESEARCH

KANPUR

SOIL MOISTURE DATA LOGGER (ATM DLO3 )

QUANTITY OFFERED - 1

ADVANCETECH INDIA PVT. LTD. OFFERS A NEW RANGE OF PORTABLE DATA LOGGER WHICH ARE HANDY AND CAN RECORD FIELD DATA WITH THE HELP OF SENSORS QUICKLY

THE RECORDED DATA CAN BE TRANSFERRED TO A COMPUTER USING A USB OR WIFI SO THAT ALL RECORDED READINGS CAN BE CONVERTED INTO AN EXCEL SHEET AND CAN BE ANALYZED FURTHER

THE DATA LOGGER HAS BEEN THE BUILT-IN BATTERY, SENSORS, DISPLAY KEYPAD ETC. TO MAKE THE READING COLLECTED IN NO TIME. THE SAME DATA LOGGER CAN BE USED FOR DIFFERENT APPLICATIONS USING DIFFERENT SENSORS.



## 4 PROCTER & GAMBLE

BADDI

TEMPERATURE & RELATIVE HUMIDITY DATA LOGGER (ATM DLO3 )

QUANTITY OFFERED - 70

TEMPERATURE DATA LOGGERS ARE USED FOR TEMPERATURE AND HUMIDITY MONITORING AND ARE ABOVE ALL EMPLOYED IN THE INDUSTRIAL SECTOR, WHERE TEMPERATURE AND HUMIDITY PLAY A MAJOR ROLE. IN THIS RESPECT, A DISTINCTION IS MADE BETWEEN SINGLE-USE INSTRUMENTS AND LONG-TERM MONITORING INSTRUMENTS. WE INSTALLED 70 PIECES OF DATA LOGGER IN BADDI

