



PIXEL DATA LOGGER

# Wireless Near Real-time Temperature & Humidity Data logger

A reliable wireless solution to monitor temperature and humidity of refrigerated storage and warehouses.



Temperature



Humidity



Zero Maintenance.  
Zero Downtime.



Track Everything  
On The PIXEL  
Web-App



Smart Power Save  
Mode



Temperature  
Violation Alerts



PDF Reports

## WIRELESS ENVIRONMENTAL MONITORING

A reliable wireless solution to monitor temperature and humidity of refrigerated storage and warehouses.



### REGISTER

Register the device on our Web-App.



### TAG

Add the device to any cold storage.



### TRACK

Track the data on the PIXEL Web-App.



FOOD & BEVERAGES

SERVER ROOMS

PHARMACEUTICALS

### PIXEL DATA LOGGER

Monitors data for cold storages and warehouses, pharmaceutical manufacturers, food & beverage companies, hospitals, laboratories & blood banks, server rooms & museums

#### TECHNICAL SPECIFICATIONS

<b>DIMENSIONS:</b>	112mm x 62mm x 30mm
<b>WEIGHT:</b>	220 grams
<b>WATER RESISTANCE:</b>	IP65
<b>BATTERY:</b>	Li-Po 10,500mAh rechargeable
<b>CHARGING VOLTAGE:</b>	5V DC (Easy Snap Magnetic connector)
<b>CHARGING TIME:</b>	Up to 14 hours (for full charge)
<b>BATTERY CHARGE LIFE:</b>	Every 2 to 3 months on full charge (@ room temperature)
<b>TEMPERATURE READING INTERVAL:</b>	1 min
<b>READING TRANSMISSION:</b>	Every 15 minutes
<b>DATA FORMATS &amp; GRAPH:</b>	Graphs (Line Charts), PDF, CSV

<b>TEMPERATURE RANGE:</b>	-20°C to 65°C
<b>TEMPERATURE RESOLUTION:</b>	0.1°C
<b>ABSOLUTE ACCURACY:</b>	+/- 0.5°C
<b>LINEARITY:</b>	0.5°C
<b>CALIBRATION:</b>	Factory calibrated
<b>MEASUREMENT RANGE:</b>	0% - 99% RH
<b>STANDARDS:</b>	FCC/ CE compliance
<b>DATA STORAGE ON DEVICE:</b>	Up to 20000 readings
<b>VIOLATIONS/ ALERTS:</b>	All Violations are captured, reported and stored on event.

**ORDER**

info@instrukart.com

#### FEATURES

- Near real-time accurate temperature monitoring
- Near real-time accurate humidity monitoring
- Monitors data for cold storages and warehouses, pharmaceutical manufacturers, food & beverage companies, hospitals, laboratories & blood banks, server rooms & museums
- Alert notifications (SMS, Email & Push notifications)

Contact us to organise a live trial at your local site and experience the difference!

www.instrukart.com



## Near real-time temperature monitoring

**Near real-time temperature monitoring of perishable goods and pharmaceuticals, can prove critical in the survival of stock.**

Reliable temperature monitoring is crucial for perishable products such as food & beverages and biopharmaceuticals. PIXEL enables effective & reliable temperature and humidity environmental monitoring. This reduces the need to manually record vital parameters while products are being stored. It also eliminates occurrences of human error due to automated digital monitoring. The effects of unreliable monitoring systems can be devastating including decreasing a brand's reputation, fines for non-compliance, illness and even death in rare cases.



## Smart power save mode

**PIXEL is a smart innovative device allowing significant power efficiency to be achieved.**

This is attainable by the two different modes that PIXEL enables including normal mode and smart power save mode. Normal mode sends data at regular defined intervals, while the smart power save mode allows data to be sent every three hours if no violations occur during the period. When any deviations occur of set parameters, an alert is immediately sent by SMS or email. In addition, the device allows for reports and data to be shared with clients, ensuring they always have visibility of their products and information on how it is being stored.



## Near real-time humidity monitoring

**Moisture can impact food and pharmaceutical products due to their sensitive nature.**

The significant threat that moisture poses is the risk that products in high humidity environments can absorb the excess moisture. This affects sensitive products causing them to deteriorate, not to mention the risk of organic corrosion and biochemical reactions. In the pharmaceutical industry this can have a significant effect leaving pharmaceuticals unable to be used by consumers and affecting relationships between companies and their partners. If humidity is too low, this can also pose a significant risk to perishable products leaving them prone to the same risks.



## Near real-time violation alerts

**Necessary action can be taken with near real-time alerts when set parameters are deviated from.**

Implementing PIXEL enables companies to monitor and react in near real-time when deviations occur from set parameters. With near real-time monitoring of temperature and humidity the device sends alerts when set parameters are deviated from. This ensures that timely action can be taken therefore perishable products are not compromised for a significant amount of time. This thereby allows companies of all sizes to save capital, reduce unnecessary waste of products and ensure regulations are met.

Clean Rooms | Pharma | Hospital | HVAC | BulkDrugs | Chemicals | Heavy Machinery | Hydraulics | Vacuum Industry  
Green House | Server Room | Confined Space | Cold Storage

## Instrukart Holdings

India Toll Free : 1800-121-0506 | Ph : +91 (40)40262020

Mob +91 7331110506 | Email : [info@instrukart.com](mailto:info@instrukart.com)

#18, Street-1A, Czech Colony, Sanath Nagar, Hyderabad -500018, INDIA.

