

# Live Temperature Data

For Refrigerators & Refrigerated Chambers



## Connection of 1 to 40 Ela Sensors with 1 Transmitter Device



Alfakom offers a comprehensive and advanced solution for recording and monitoring a **wide variety of sensors**. Utilizing state-of-the-art **Bluetooth Low Energy (BLE)** temperature sensor technology, we ensure the highest levels of accuracy and stability in all our measurements.



### Advanced BLE Temperature Sensors

**High Accuracy:** Our sensors provide precise temperature readings, ensuring data reliability for critical applications.

**Stability:** Designed for consistent performance, our sensors maintain stability over long-term use.



### Comprehensive Monitoring Platform

**User-Friendly Interface:** Our platform features an intuitive interface that simplifies sensor data visualization and analysis.

**Real-Time Data:** Monitor sensor data in real-time to make timely and informed decisions.

**Historical Data Access:** Easily access historical data for trend analysis and reporting.



### Wide Sensor Compatibility

**Versatile Applications:** Our solution supports a diverse range of sensors, catering to various industry needs, from environmental monitoring to industrial applications.

**Seamless Integration:** Integrate effortlessly with existing systems to enhance your current monitoring capabilities.



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## Scalable Solutions

**Customizable Packages:** Tailor our solution to fit your specific requirements, from small-scale implementations to large-scale deployments.

**Expandable Infrastructure:** Easily add more sensors and expand your monitoring network as needed.



## Enhanced Data Security

**Secure Data Transmission:** Protect your data with advanced encryption and secure communication protocols.

**Data Integrity:** Ensure the integrity of your data with robust storage solutions and backup options.



## Notifications

Our customers can customize the frequency of measurements according to their needs and receive immediate alerts via **email**, **mobile app notification**, and **SMS** if the temperature exceeds the preset thresholds.

### Benefits:

- **Increased Efficiency:** Streamline your monitoring processes with automated data collection and reporting.
- **Improved Decision-Making:** Leverage accurate and timely data to make informed decisions and optimize operations.
- **Cost-Effective:** Reduce operational costs with a reliable and efficient monitoring system.
- **Scalable and Flexible:** Adapt our solution to meet the evolving needs of your business.



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# Alfakom Temperature Solution



## PC Version Dashboard

Age GPS	Name 1	Age record	Address	Speed	Temps
27.09 10:10	Παράθυρο	λιγότερο από ένα λεπτό	Δημητρίου Μητροπούλου 21, Δήμος Θεσσαλονίκης, GR		24.66 °C
27.09 11:50	Πομπός	λιγότερο από ένα λεπτό	Δούσμανης, Δήμος Θεσσαλονίκης, GR		25.3 °C
27.09 10:10	Πόρτα	λιγότερο από ένα λεπτό	Δημητρίου Μητροπούλου 21, Δήμος Θεσσαλονίκης, GR		24.45 °C
27.09 10:10	Υποδοχη	λιγότερο από ένα λεπτό	Δημητρίου Μητροπούλου 21, Δήμος Θεσσαλονίκης, GR		24.66 °C
27.09 10:10	Χώρος 2	λιγότερο από ένα λεπτό	Δημητρίου Μητροπούλου 21, Δήμος Θεσσαλονίκης, GR		24.49 °C
27.09 10:10	Χώρος Γραφείου 1	λιγότερο από ένα λεπτό	Δημητρίου Μητροπούλου 21, Δήμος Θεσσαλονίκης, GR		25.17 °C
27.09 10:10	Ψυγείο - Fridge (ALFAKOM)	λιγότερο από ένα λεπτό	Δημητρίου Μητροπούλου 21, Δήμος Θεσσαλονίκης, GR		-18.63 °C

In the dashboard we see the most important live information regarding our sensors.

## Reports

Date	Battery	Temperature 5
11:06:42	100	25.15
11:01:41	100	25.16
10:56:40	100	25.15
10:51:40	100	25.14
10:46:39	100	25.12
10:41:39	100	25.11
10:36:38	100	24.99
10:31:38	100	24.91
10:25:37	100	24.84
10:20:36	100	24.82
10:15:36	100	24.67
10:10:35	100	24.67
10:05:35	100	24.66
10:00:34	100	24.61
09:55:34	100	24.58
09:50:33	100	24.51
09:45:33	100	24.46

The user has the option to see analytic reports that include all the date/time logs the device sent.



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## Graphical Report



The user has historical data of each sensor that last in the platform up to 2 years. Also, they can export the sensor data to excel and pdf.

## Alerts & Notifications

Edit sending reports or alerts

**Kind**  
Monitoring sensors

**Object**  
Ψυγείο - Fridge (ALFAKOM)  
NZTR-800100

**Sensor**  
Temperature 5

**Monitored range for notification**  
-15  0

**Select a contact type:** Email Notification **Telegram**

**Message to Telegram**  
+306985725745

Active

Save

The user can choose what type of alert they want and where the notification is to be sent (email, notification in the application, telegram).



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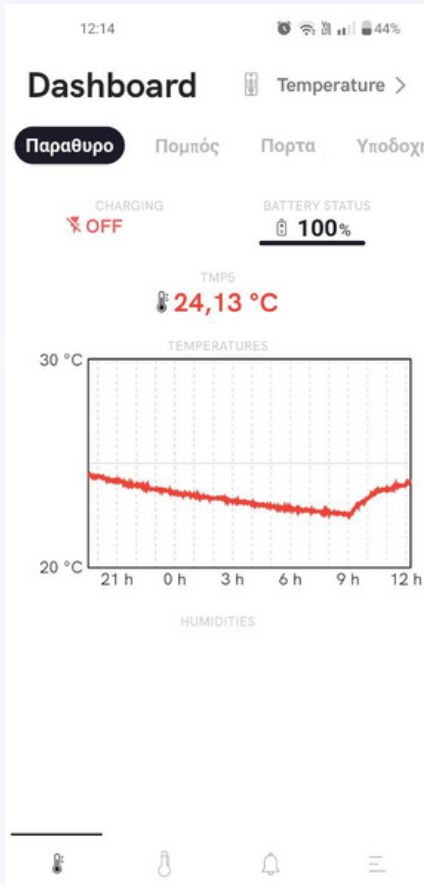
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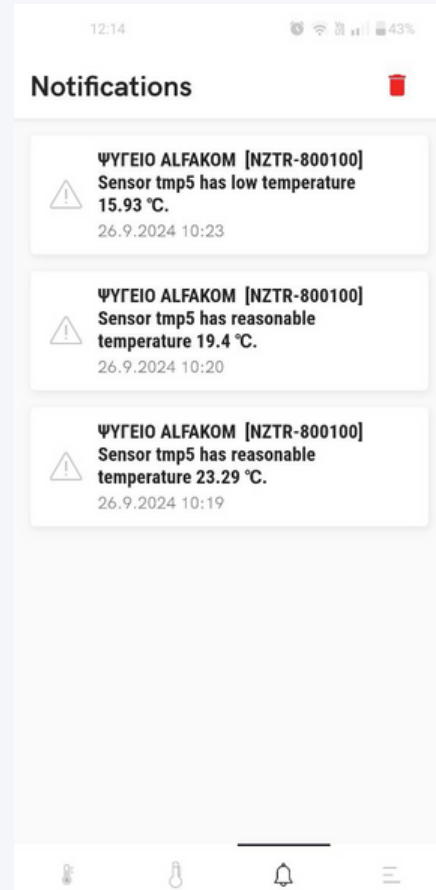
www.alfakomtemp.gr

## Mobile Version

### Dashboard - Graphical Report



### Alerts & Notifications

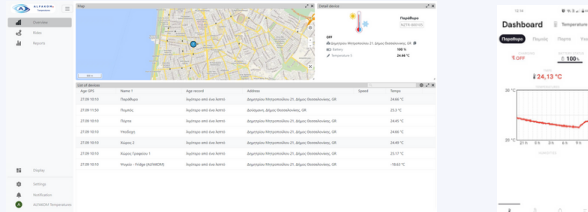


# Alfakom Temperature Solution



## Alfakom IoT Platform

Our solution records data of **40 temperature sensors** per 1 transmitter up to **300 meters** in open field.



## Hardware that we use in our solution



### ► ELA Temperature Sensors



ELA BLUE PUCK T EN12830

ELA BLUE PUCK T-PROBE

### Why we use Ela Innovation Sensors?

We use these types of sensors since they are known for accurate measurements, long life battery and robust design.



### ► Alfakom Transmitter

Connection of 1 to 40 Ela Sensors with 1 Transmitter Device and Voltage Supply Control



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