

WiFi Data Recorder &amp; Alarm

# BUN FAMILY

Part Numbers: BHYGRO &amp; BUTX15



The Bun Family stands out with its sleek, round design, offering a unique aesthetic unlike any other data logger. These WiFi-enabled devices combine advanced functionality with ease of use, making them perfect for versatile environmental monitoring needs. Powered by 2 x AA Energizer Lithium Ultimate batteries for up to 3 years of operation, they ensure long-lasting performance and reliability.



## BUN HYGRO

Part Number: BHYGRO

This model monitors temperature and relative humidity, providing precise environmental data. With real-time alarms for out-of-range conditions, it is ideal for applications like indoor climate monitoring, storage facilities, and sensitive materials preservation.

## BUN THERMO X

Part Number: BUTX15

Featuring two channels for ambient and probe temperature, this model is perfect for applications requiring dual temperature tracking, such as cold storage, food safety, and industrial processes. It offers alarms for critical temperature deviations, ensuring timely action.



Both models combine innovative design, robust performance, and seamless integration with LoggerFlex Cloud, offering real-time monitoring, data logging, and detailed analytics for proactive management. The Bun Family delivers reliability and style, making it a standout choice in data logging.

## Technical Specifications

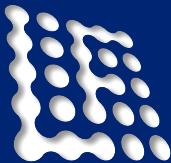
bun Thermo X Probe's measurement range	°C	-55 to +125
	°F	-67 to +257
Ambient Temp measurement range	°C	-20 to +70
	°F	-4 to +160
Temperature reporting resolution		0.1
bun Thermo X probe Length		1.5 meters (5 ft)
Power Supply		2 x AA Energizer Lithium Ultimate batteries
FCC ID		2AC7Z-ESPWROOM32
bun Hygro RH measurement range		0-99% non-condensing
Interface		Wi-Fi - IEEE 802.11 b/g/n - 2.4 GHz
Internal Memory Capacity		64,000 Record of each measured Parameter
Record intervals		1 minute to 30 minutes (down to 5 sec. by order)
Upload intervals		1 hour to once a week (down to 1 min. by order)
Dimensions	Height	H (max) = 34.5 mm (1 11/32")
	Diameter	D = 80 mm (3 5/32")

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## LF CLOUD APPLICATION

LF Cloud (LoggerFlex Online Application) is a powerful, cloud-based platform that streamlines data collection and monitoring. Its primary functions include continuous, high-resolution monitoring and 24/7 data access from anywhere, enabling remote, multi-user oversight across different time zones. The application generates industry-specific, customizable reports tailored to the unique requirements of sectors such as pharmaceuticals, food safety, and HVAC. LF Cloud also supports multi-parameter monitoring of various environmental and system parameters, with shared access capabilities for collaborative monitoring among multiple users. As a progressive web application, it is accessible on any device with internet connectivity, requiring no installation and providing a consistent experience across platforms. This comprehensive platform empowers users with actionable insights, robust data management, and enhanced decision-making.

Access from Anywhere, on Any Device, for Multiple Users



Neat Mobile View



Geographical Based Display



Professional Reports

Our alarms will reach you, no matter how far you are.



Phone Call Alarm



Text Message Alarm



Email Alarm

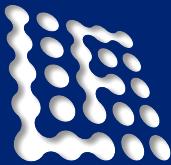
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### Advance Alarm Function

# 1

Momentary Minimum & Maximum value Alarms

As the most basic alarm function, 'LF CLOUD' can immediately push an alarm via email, SMS, or phone call if any measured parameter exceeds the defined maximum or falls below the adjustable minimum threshold. This instant alerting ensures that users are promptly informed.

# 2

Adjustable "Persistent Condition" Alarm

To filter out possible momentary fluctuations, users can adjust the persistence duration of the condition before the alarm goes off. Using this feature, the system only triggers the alarm if the out-of-bounds measured parameter remains beyond defined limits for a certain duration.

# 3

Adjustable Time-Weighted Average Long-term Alarms

"LF CLOUD" can constantly monitor the parameters to ensure compliance with multiple long-term exposure rules. Rules can be defined by the measured level and duration of exposure, and the system will send an alarm if long-term exposure is detected based on time-weighted average values.

# 4

Trend change (Drift) detection alarm

The "LF Cloud" can monitor the trend of changes or drift in the measurements and push notifications if the average measured values show a certain percentage higher or lower than previous records at adjustable intervals.

### LF Cloud Key Functionality Highlights



**Data Security and Privacy:** End-to-end encryption.

**Activity Logging:** Digital tracing of user actions and alarm events.

**Frequent Data Backups:** Multiple daily backups ensure data integrity.

**Multi-channel notifications:** Email, SMS, and phone calls.

**Alarming:** Threshold, persistent condition, and trend-based alarms.

**Cross-Platform Access:** Compatible with Windows, iOS, Android.

**Global Accessibility:** Multi-language and multi-time zone support.

**Role-Based Sharing:** Access controls for collaborative use.

**Graphing & Visualization:** Customizable data visualization tools.

**Custom Reporting:** Industry-specific report generation.

**Geographic Data Insights:** Location-based data visualization.

**Utility Billing:** Automated cost allocation and submetering.

**API Integration:** Real-time data access and alerts through API.

### Industry-Specific Report Segments in LF Cloud



HVAC Systems



Property Management



Agriculture



Industrial Monitoring



Preservation



Pharmaceutical



Food Safety

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