



Made in Canada

EDGE THERMO

DATALOGGER & ALARM



Monitoring with Compliance, Reliability, and Smart Alerts

The EDGE offers a powerful solution for precise, real-time environmental monitoring, built for compliance-critical industries such as pharmaceuticals, vaccine storage, cold chain, food service, and building automation.

With cutting-edge connectivity and a robust cloud platform, EDGE is **NSF/ANSI 456** compliant and designed for ease of use, accuracy, and reliability.



Sensors & Monitoring



2 x Temp Probes



Ambient Temperature



Relative Humidity



Power Disruption



Digital Input



Mold Index



Location Cellular Only

- Integrated Ambient Temperature and Relative Humidity Sensor.
- Two (2) External Digital Temperature Probe Inputs (1.5m, 5ft.).
- Optional NIST-Traceable Calibration Certificate for External Probes.
- One (1) Digital Input (Dry Contact) for Door Magnet or Flood Sensor.
- Up to 2 years battery life (4 x AA replaceable Alkaline)

Real-time Alarms

- High & Low Temperature and Humidity alarms for All Four Channels.
- Power Interruption and Restoration Alarms.
- Flood Detection, Door Magnet or Dry contact Real-Time Alarms.
- Mold Index Calculation and Mold risk Warnings.



EDGE's Special Features

Advanced Monitoring, Alarms, and Seamless Connectivity

Connects directly to WiFi or Cellular (No gateway required)
Alarms via Email, SMS, Phone Call
Power Disruption and Re-connection Notification
NSF/ANSI 456 compliant Audible and Visual alarms
Supports NIST-traceable calibration with automatic expiration alerts
Real-time BLE streaming
Automatic WiFi-to-cellular rollover (in Cellular model)
Works on 4xAA batteries (up to 2 years) or USB-C power
Super user-friendly setup with QR scan

Display & Interface

Graphical e-paper screen shows:

- Real-time data
- Active alarms
- Battery, Connection and power status
- NIST certificate expiration

Audible and visual alarms directly on device.

Technical Specifications

LoggerFlex Cloud Platform

Powerful Web App with Compliance-Built Features

Automatic Temperature Logbook
FDA CFR21 Part 11 Compliance
Secure, untamperable activity log
Time-stamped user activity and alarm acknowledgments
Professional Reporting with:

- Min/Max records
 - MKT (Mean Kinetic Temperature)
 - Graphs and analytics
 - Geographical Management (Map View)
- Dedicated Mobile & Desktop Interfaces
Team Sharing & Role-Based Access Control

Connectivity

WiFi for continuous cloud sync and Real-time alarms
BLE for smooth real-time data broadcast
Cellular with automatic WiFi failover. (Cellular model)

Designed to meet the performance requirements of the NSF / ANSI 456 Vaccine Storage Standard.

Built in sensors		Temperature and Relative Humidity (RH)
Operation Temperature range	°C	-20 to +70
	°F	-4 to +160
Temperature Measurement Accuracy		±0.2 °C (±0.36 °F)
Temperature Reporting Resolution		0.1
RH measurement range		0-99% non-condensing
RH Measurement Accuracy		±1.8% RH (at 25 °C, 10-90%)
Interface		Wi-Fi - IEEE 802.11 b/g/n – 2.4 GHz BLE (Bluetooth Low Energy) – 2.4 GHz Cellular LTE-M & 2G (all band - Global) *
Temperature Probes (x2) Measurement Range	°C	-55 to +125
	°F	-67 to +257
Temperature Probes (x2) Measurement Accuracy		±0.5 °C (±0.9 °F)
FCC ID	WiFi	2AC7Z-ESPWROOM32
	Cellular	2AJYU-8VC0001
Power Supply	Internal	4 x AA batteries
	External	5V DC Standard USB-Charger
Display Update Temperature Range	°C	0 to +50
Out of this range, display updates are paused	°F	+32 to +122
Internal Memory Capacity		49,000 Record of each measured Parameter
Recoding interval		1 to 30 minutes
Syncing interval (sending data to the cloud)		Real-time Alarms - 10 minutes to 7 days

* Cellular model - with global e-sim

