

## EDGE Thermo Cellular

Part #: EDCLTR



The EDGE THERMO Cellular Datalogger & Alarm is a powerful, environmental monitoring solution engineered for compliance-critical industries such as pharmaceuticals, vaccine storage, cold chain, food service, and building automation. Designed for accuracy, reliability, and ease of use, this NSF/ANSI 456 compliant device provides precise measurements and robust alert capabilities.

Featuring cutting-edge connectivity options including Wi-Fi, BLE, and Cellular, the EDGE THERMO ensures seamless data synchronization to a robust cloud platform. Its graphical e-paper screen displays real-time data, active alarms, battery/connection status, and NIST certificate expiration, while on-device audible and visual alarms provide immediate notification. Advanced features include automatic Wi-Fi to cellular rollover, power disruption and reconnection notifications, and mold index calculation warnings.

The EDGE THERMO offers comprehensive monitoring with integrated ambient temperature and relative humidity sensors, alongside inputs for two external digital temperature probes and one digital input for dry contacts, door magnets, or flood sensors. With a battery life of up to 2 years using replaceable AA batteries, and support for NIST-traceable calibration, the EDGE THERMO is a reliable guardian for your critical environments.

Ports Function			Connectivity			Power Supply	
PORT I	PORT II	PORT III	BLE	2.4GHz Wi-Fi	Cellular	Internal	External
Temperature Probe	Dry Contact / Flood	Temperature Probe	✓	✓	✓	4 x AA batteries	5V DC Standard USB-Charger

Built-in Sensors						
Sensor	Configuration	Function	Min Range	Max Range	Accuracy	Resolution
Ambient Temperature	Built-in	Record & Alarm	-20 °C (-4 °F)	+70 °C (158 °F)	±0.2 °C (±0.36 °F)	0.1 °C
Relative Humidity	Built-in	Record & Alarm	0%	99% non-condensing	±1.8% RH (at 25 °C, 10-90%)	1%

External Sensors								
Sensor	Connection	Configuration	Function	Min Range	Max Range	Accuracy	Resolution	Length
Temperature Probe	Detachable	Included	Record & Alarm	-55 °C (-67 °F)	+125 °C (257 °F)	±0.5 °C (±0.9 °F)	0.1 °C	1.5m (5 ft)
Digital Input (Dry Contact for Door Magnet or Flood Sensor)	Detachable	Optional	Alarm	-	-	-	-	Up to 100 m (330 ft)
Temperature Probe	Detachable	Included	Record & Alarm	-55 °C (-67 °F)	+125 °C (257 °F)	±0.5 °C (±0.9 °F)	0.1 °C	1.5m (5 ft)

Dimensions						Net Weight	
Length		Width		Height		Grams	Oz
104 mm	4 3/32"	88 mm	3 15/32"	30 mm	1 3/16"	372	13.1

Operation	
Feature	Specification
Operation Temperature Range	-20 to +70 °C (-4 to 158 °F)
Display Update Temperature Range	0 to +50 °C (32 to 122 °F)
Internal Memory Capacity	49,000 Record of each measured Parameter
Recording Interval	1 to 30 minutes
Syncing Interval (sending data to the cloud)	Real-time Alarms - 10 minutes to 7 days

Network Interface & Certifications		
Interface	Specification	FCC ID
Wi-Fi	IEEE 802.11 b/g/n – 2.4 GHz	2AC7Z-ESPWROOM32
Cellular	LTE-M & 2G (all band - Global)	2AJYU-8VC0001

## Extra Information