EDGE

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 device, designed in compliance with NSF/ANSI 456 (the vaccine-storage standard), provides precise measurements and robust alert capabilities.

At a glance

MEASURES
Ambient Temperature, Relative Humidity, Temperature Probe, Digital Input

CONNECTIVITY
WiFi 2.4 GHz · LTE · Bluetooth LE

BATTERY LIFE
About 2 years on 4 × AA

INTERNAL MEMORY
49,000 records of each measured parameter

RECORDING INTERVAL
1 to 30 minutes

INGRESS PROTECTION
IP31

Ports and connectivity

Port I
Temperature Probe

Port II
Dry Contact / Flood

Port III
Temperature Probe

Connectivity
WiFi 2.4 GHz · LTE · Bluetooth LE

Built-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION
Ambient Temperature Built-in · Record & Alarm	-20 °C to +70 °C (-4 °F to +158 °F)	±0.2 °C (±0.36 °F)	0.1 °C (0.2 °F)
Relative Humidity Built-in · Record & Alarm	0% to 99% non-condensing	±3% RH (Sensirion SHT40)	1%

Plug-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION	CABLE
Temperature Probe Detachable · Included · Record & Alarm	-55 °C to +125 °C (-67 °F to +257 °F)	±0.5 °C (±0.9 °F) from -10 to +85 °C (+14 to +185 °F); ±2 °C (±3.6 °F) at -55 °C / +125 °C (-67 °F / +257 °F)	0.1 °C (0.2 °F)	1.5 m (4.9 ft)
Digital Input (Dry Contact / Flood) Detachable · Optional · Alarm	–	-	-	Up to 100 m (330 ft)

RECORDING, LF CLOUD AND POWER

Internal memory	49,000 records of each measured parameter
Recording interval	1 to 30 minutes
Cloud sync interval	10 minutes to 7 days (alarms are sent immediately, whatever the interval)
Battery life	About 2 years on 4 × AA (depending on settings, reception, ambient temperature, battery quality, alarms, buzzer and BLE)
External power	USB-C 5 V DC (supply not included)

ENCLOSURE AND ENVIRONMENT

Dimensions (L × W × H)	104 × 88 × 30 mm (4 3/32 × 3 15/32 × 1 3/16 in)
Net weight	372 g (13.1 oz)
Operating temperature	-20 to +70 °C (-4 to 158 °F)
Display update range	0 to +50 °C (32 to 122 °F)
Ingress protection	IP31 (housing, protected against dripping water, not waterproof)
Probe extension	Up to 16.5 m (54 ft) in total, including the 1.5 m (4.9 ft) probe lead: up to five 3 m (10 ft) AUDEX3 extensions; keep two probe runs within 3 m (10 ft) of each other

WIRELESS AND COMPLIANCE

Compliance	FCC, IEEE 802.11 b/g, NIST traceable, RoHS, CE (EN 61326-1 and EN 61010-1, 3rd edition)
WiFi	IEEE 802.11 b/g/n, 2.4 GHz · Contains FCC ID 2AC7Z-ESPWROOM32
Cellular	LTE (built-in global eSIM) · Contains FCC ID 2AJYU-8VC0001

Request a quote →

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Product page, manuals and LF Cloud setup