

BLOCK

BLOCK THERMO II

 Part **BLXT02**

Retired product: no longer sold; the EDGE Thermo replaces it. Units in the field keep working in LF Cloud.

The BLOCK Thermo II is a sophisticated data logger within the BLOCK family, engineered for precise and reliable environmental monitoring across diverse applications such as cold storage, industrial processes, and critical pharmaceutical environments. It offers unparalleled flexibility in data collection and instant alarming without the need for additional gateways. Designed for efficiency and extended battery life, it ensures seamless connectivity and robust performance in challenging conditions.



At a glance


MEASURES

Temperature, Relative Humidity, Temperature Probe, Flood Detector


CONNECTIVITY

WiFi 2.4 GHz


INTERNAL MEMORY

64,000 records of each measured parameter


RECORDING INTERVAL

1 minute to 30 minutes


CLOUD SYNC INTERVAL

From 1 hour to once a week


EXTERNAL POWER

USB-C 5 V DC

Ports and connectivity

Port I

Temperature Probe

Port II

Dry Contact

Port III

Temperature Probe

Connectivity

WiFi 2.4 GHz

Built-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION
Temperature Built-in · Record & Alarm	-20 °C to +70 °C (-4 °F to +158 °F)	±0.5 °C (±0.9 °F)	0.1 °C (0.2 °F)
Relative Humidity Built-in · Record & Alarm	0% to 99% non-condensing	±3%	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)
Flood Detector Detachable · Optional · Alarm	–	–	–	Up to 100 m (330 ft)

RECORDING, LF CLOUD AND POWER

Recording interval	1 minute to 30 minutes (down to 3 seconds by order, set by LoggerFlex)
Cloud sync interval	From 1 hour to once a week (down to 1 minute by order).
Internal memory	64,000 records of each measured parameter
Battery	4 × AA batteries
External power	USB-C 5 V DC (supply not included)

ENCLOSURE AND ENVIRONMENT

Dimensions (L × W × H)	53 × 43 × 133 mm (2 3/32 × 1 11/16 × 5 1/4 in)
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Net weight	300 g (10.6 oz)
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WIRELESS AND COMPLIANCE

WiFi	IEEE 802.11 b/g/n, 2.4 GHz · Contains FCC ID 2AC7Z-ESPWROOM32
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MORE FEATURES

Alarms	Sends phone calls, texts, and email alerts if temperature measurements exceed set thresholds or if digital inputs are activated, supporting Momentary, Persistent Condition, and Time-Weighted Average alarms.
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— Good to know

Retired on 2026-10-10. Kept for installed-base support.
Replacement: EDGE Thermo (EDWITR WiFi / EDCLTR cellular).

Compliance: FCC, IEEE 802.11 b/g, RoHS, CE (EN 61326-1 and EN 61010-1, 3rd edition). Probes with a NIST-traceable certificate are available as an option.

Request a quote →

Sold and supported through LoggerFlex distributors. An engineer replies within one business day.

sales@loggerflex.com 1-888-365-8880 www.loggerflex.com/en/product/block-thermo-ii



Product page,
manuals and
LF Cloud
setup