

BLOCK

BLOCK Temp + Current

Part **BLXTCS**

The BLOCK TEMP + CURRENT is an advanced monitoring device designed to measure temperature and electrical current with precision. It utilizes a non-invasive CT clamp for current measurement, ensuring easy installation without disrupting the electrical system.



At a glance



MEASURES
Temperature, Relative Humidity,
Temperature Probe, Digital Input



CONNECTIVITY
WiFi 2.4 GHz



BATTERY LIFE
About 6 months on 4 × AA.
USB-C 5 V power recommended



INTERNAL MEMORY
64,000 records of each
measured parameter



RECORDING INTERVAL
1 minute to 30 minutes



INGRESS PROTECTION
IP31

Ports and connectivity

Port I

Temperature Probe

Port II

Dry Contact

Port III

AC Current Clamp

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)	±1.3 °C (±2.3 °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)
Digital Input Detachable · Optional · Alarm	–	–	–	Up to 100 m (330 ft)
AC Current Clamp Detachable · Included · Record & Alarm	0.2 A to 30 A	±3%	–	1 m (3.3 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	1 hour to once a week (down to 1 min. by order)
Internal memory	64,000 records of each measured parameter
Battery life	About 6 months on 4 × AA (2025 catalog; depending on settings, reception, ambient temperature, battery quality and alarms). USB-C 5 V power recommended
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)
Net weight	196 g (6.9 oz)

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

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

Cumulative energy recording unit	kWh
Threshold Alerts	Daily, Weekly, Monthly, Yearly, Absolute
Lowest working temperature	-30 °C (-22 °F)

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Product page,
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LF Cloud
setup