

# 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.

Key Features include predictive maintenance capabilities with advanced alarms that detect prolonged current increases and gradual trend shifts, preventing costly system failures. Ideal for HVAC systems, motors, compressors, and other electrical equipment, it ensures efficiency and longevity.

The device accurately measures current and estimates energy consumption (kWh), providing detailed insights into usage patterns and facilitating cost optimization. Paired with the LF Cloud App, it offers real-time data analysis, alarms, and remote access for comprehensive monitoring.

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

Built-in Sensors						
Sensor	Configuration	Function	Min Range	Max Range	Accuracy	Resolution
Temperature	Built-in	Record & Alarm	-20 °C (-4 °F)	+70 °C (158 °F)	±1.3 °C (±2 °F)	0.1 °C (0.2 °F)
Relative Humidity	Built-in	Record & Alarm	0%	99%	±3%	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 (1 °F)	0.1 °C (0.2 °F)	1.5 m (30 ft)
Digital Input	Detachable	Optional	Alarm	-	-	-	-	Up to 100 m (330 ft)
AC Current Clamp	Detachable	Included	Record & Alarm	0.2 A	30 A	±3%	-	1 m (3 ft)

Dimensions						Net Weight	
Length		Width		Height		Grams	Oz
53 mm	2 3/32"	43 mm	1 11/16"	133 mm	5 1/4"	196	6.9

Operation	
Feature	Specification
Record intervals	1 minute to 30 minutes (down to 5 sec. by order)
Upload intervals	1 hour to once a week (down to 1 min. by order)
Internal Memory Capacity	64,000 Record of each measured Parameter
Cumulative energy recording unit	Kwh
Threshold Alerts	Daily, Weekly, Monthly, Yearly, Absolute

Network Interface & Certifications		
Interface	Specification	FCC ID
Wi-Fi - IEEE 802.11 b/g/n – 2.4 GHz	20 dBm (100 mW)	2AC7Z-ESPWROOM32

## Extra Information