

# BirdNet Thermocouple

## Slave Mote for Thermocouple Sensor

### ■ Specification

Items	DETAIL	Remark
Service	IEEE802.15.4e TSCH MAC Radio Technology	
	Time Synchronized Channel Hopping Full Path and Frequency Diversity	
Frequency Band	2.4000GHz ~ 2.4835GHz	
Number of Channels	15	
Modulation	DSSS	
Raw Data Rate	250kbps	
Range	Indoor : 50m Outdoor : 100m	
Output Power	8dBm	
Receiver Sensitivity	-93dBm	
Input/output Impedance	50Ω	
CPU	ARM Cortex-M3 32bit	
SRAM	72Kbyte	
FLASH Memory	512Kbyte	
Security	128 Bit AES Based Encryption	
Protocol	6LoWPAN Internet Protocol support	
Operating Temperature	-40 ~ 85°C	
Operating Humidity	10 ~ 90%	IP65 Proof
Battery Power	7500mAh	
Power Consumption	< 50μA	
Case	Aluminum Anodizing	
Size	120mm(w) x 80mm(w) x 34mm(d)	
Weight	< 350 g	
Thermocouple Sensor	Model : Type K	
	Temperature Range : - 100 °C to 250 °C	
	Standard Limits of Error : Grater of 3.0 °C	

(BSM-18940-AL-TC01)

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- Product Image

