BirdNet Strain Gauge
Slave Mote for Strain Gauge

(BSM-18950-AL-ST120)

■ Specification

Specification		Value	Remark
Wireless Network	Service	▪ IEEE802.15.4e TSCH	
	Frequency Band	▪ 2.4000GHz ~ 2.4835GHz	
	NO. of Channel	▪ 15 Channels	
	Modulation	▪ DSSS	
	Data Rate	▪ 250kbps	
	Signal Power	▪ 0 or 8 dBm (Selectable)	
Hardware & Software	CPU	▪ ARM Cortext-M3 32bit	
	SRAM	▪ 72KB	
	Flash Memory	▪ 512KB	
	Antenna	▪ 5dBi	N-type
	Input Power	▪ 외장형 2차 배터리 팩 사용	별도 구매 필수
	ESD Protection	▪ Contact : ±8KV, Air : ±15KV	
	External port for Sensor	▪ Strain Gauge or Load Cell x 1ea (WB Type)	
	Wheatstone Bridge Resistance	▪ 350Ω	
Housing	Material	▪ Aluminum Anodizing	
	Size	▪ 98㎜(w) x 64㎜(h) x 34㎜(d)	안테나 제외
	Weight	▪ < Max. 180g	
Environ-ment	Temperature	▪ -40℃ ~ 85℃	
	Humidity	▪ 10 ~ 90%	Non-Condensing

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- **Product Image**

주요 특징

- ❖ **Strain Gauge 및 Load Cell 전용**
- ❖ **지원 센서 : Wheatstone Bridge 구조, 저항값 350Ω**
- ❖ **산업용 2차 배터리 팩 사용**

- ❖ **Enclosure 인증**
  - • **UL 50 & CSA C22.2 No.94.1-15**
  - • **IP 65**