

General Overview

Product name	Bee Label
Model name	BS-LB-01
Dimensions	101 mm × 177 mm × 0.8 mm 4 in × 7 in × 0.3 in
Weight	34 g 1.2 oz
Housing	Paper label
Available information	Temperature, Motion, Light, Shock data and events, LTE-1/GSM location, GPS, Wi-Fi location, Battery
Ingression protection rating	IP54
Flight detection	Yes
(U)SIM Interface	eSIM Card

Temperature Calibration

Calibration Standard	NIST Certified
Calibration certificate	Available upon request

Technical data

Battery type	Non-Rechargeable Li-MnO ₂ 1800 mAh. Lithium content 0.62g.
Battery life	Device transmits data for 7 to 24 days on a single charge, depending on cloud reporting interval, as detailed on page 2.
LEDs	1 Power Green LED
Charging	Non rechargeable
Sensor Data Storage Capacity	10000 messages
Cellular network type	4G (LTE-1) and GSM
Cellular coverage	Global
Cellular Antenna	Internal
GNSS Antenna	Internal, GPS/ GLONASS/ BDS/ Galileo QZSS

Measurement Data

Measurement Interval Sampling rate	10 minutes (Minimum)
Data Reporting	The device needs to wake up and establish a connection to upload measurement data to the Roambee HC Cloud.
Wake-up schedule	Adjustable from 10min to 24h frequency. The device wakes up when an excursion triggers an alarm, regardless of the schedule.
Gravity Measurement Range	±2g/±4g/±8g/±16g
ODR Bandwidth for Accelerometer	1Hz ~ 400Hz
Temperature range Logs Temperature: Yes Cloud connection: Can be established. Battery life: Normal	0°C to +60°C

Certifications

Approvals	FCC, CE, Giteki
Aviation compliance	FAA and EASA

Scanning Feature

WLAN	2.4GHz 802.11b (Rx) (Max 5 Locations)
------	---------------------------------------

Battery type

The device is powered by a non-rechargeable Li-MnO₂ batteries are not considered dangerous goods when shipped with the device.

Battery life

The reporting interval can be changed remotely through the Roambee cloud using the cellular network

The device enters hibernation mode when the battery level reaches 10% or less, at which stage it stops attempting to connect to the Roambee cloud.

The battery life depends on the set wake-up interval, as shown in the table below.

Wake-up interval	Battery life
15 mins	7 days
30 mins	12 days
1 hour	24 days

