

## B3 Bluetooth + USB Single Use Temperature Logger

### Contactless convenience

**Cydiance B3** integrates Bluetooth into USB loggers. Users will be able to enjoy the convenience of reading and sharing data with their phones without touching their shipments or interrupting the recording.



## Features

1. ONE button operation for START and MARK; Manual stop not allowed; Simple training;
2. IP67 food-grade waterproof bag suits the high humidity transportation of perishable goods;
3. Certified to comply with IATA; Tested to RTCA DO-160G; Comply with International Maritime Dangerous Goods Regulation;
4. Temperature sensor accuracy to  $\pm 0.5^{\circ}$ , resolution to  $0.0625^{\circ}$ , calibration traceable to NIST;
5. PDF and CSV report generated directly by USB connection to computer and phone, without installation of software or hardware;
6. Direct download via Bluetooth connection without touching the device. Reduce the chances of the shipment being contaminated during the pandemic;
7. Cydiance App presents data with charts and summaries, allows data exporting and sharing;
8. Onboard PDF report generates professional chart and comprehensive data list, including calculated values of Maximum, Minimum, Average, MKT etc.;
9. The chart from the onboard PDF report adopts 20 section dynamic Y-axis(data) and 10 section X-axis(time), providing 200 grids(X\*Y) of display scale and 920 groups of granularity level. Both leading the industry frontlines;
10. Onboard PDF report includes eight event marks;
11. Both raw data and PDF reports are encrypted with the MD5 algorithm to ensure data security;
12. CSV report generated at the same time, for import and further analysis into customer's system;
13. Allow users to write shipment information into the device and the Cydiance App;

# Data Sheet

Version 202107

# Cydiance

## Specifications

Model: Cydiance B3	
Sensor	Digital Temperature Sensor
Connection Interface	USB, Bluetooth Low Energy
Report	On-board PDF (encrypted) report and CSV file; Online Data can be viewed, exported and shared via Cydiance App;
Temperature Range	-30~70°C
Temperature Accuracy	±0.5°C (-25°C~70°C) ± 1°C (-30°C to -25°C)
Temperature Resolution	0.0625°C
Temperature Responsiveness	Tested to comply with U.S. Pharmacopeia (USP1118) and EN 12830 standards
Calibration Standard	National Institute of Standards and Technology (NIST)
Calibration Process	Chip stage: unit level calibration (According to manufacturer's QCP following NIST traceability; PCBA stage: 3 point calibration with sampling base according to AQL0.25 General I standard;
Data Capacity	14,400 groups of data
Recording Interval	Typical configuration 3mins/6mins/9mins
Recording Duration	Typical configuration 30days/60days/90days
Device Start	Manually or via App
Device Stop	Auto-stop upon data limit (manual stop prohibited)
Event Mark	Maximum 8 marks allowed
Time Zone	UTC+0 in PDF and CSV report in default settings, which can be modified in Cydiance App before the device starts; Mobile phone's time zone will be used when viewing data in the Cydiance App
Certification	CE, FCC-ID(2ATW5-CB01), FCC-sDOC, RoHs
Regulation Compliance	IATA 2021 Dangerous Goods Regulations 62nd editions, UN3091, Packing Instruction 970 section II; RTCA/DO-160G Airborne Equipment Electromagnetic Compatibility tested with Accredited Lab report; Comply with the International Maritime Dangerous Goods Regulation 2018, packing instruction P903; Comply with EN12830:2018
Dimensions/Weight	94mm x 50mm x 6mm/16.2grams
Shelf Life/Battery	12 months/3.0v lithium button cell
Status Indicator	LED x 2, Cydiance App Quick Scan
Protection Package	Food-grade waterproof bag
Protection Grade	IP67



- ◇ Scan the QR code to download Cydiance App
- ◇ Export data directly via Bluetooth connection
- ◇ View summary, chart, stats and customized shipment notes

Cydiance reserves the right to update or change any of the above parameters according to technical or market conditions, without prior notice. You are welcome to consult our sales representative on any specific parameters before ordering.