

# Instructions manual: TLDL-110 Temperature Data Logger

## 1. ENABLE NFC AND DOWNLOAD THE ANDROID APP

Go into „settings“ on your Android smartphone and enable NFC (in the same category as Bluetooth). You can check the following link to see if your smartphone is equipped with NFC : <http://www.nfcworld.com/nfc-phones-list/>. Android PDA readers with NFC antennas are also compatible. Once NFC is enabled, simply place the back of your smartphone (around the middle) on the TLDL data logger. You will automatically be redirected to download our Android app Blutag on Google Play.

## 2. OPEN THE APP AND CREATE A NEW PROFILE

Open the Blutag app and place your smartphone in contact with the TLDL logger. You will be directed to a page with general information about the logger. From this page, go in the top menu and press on „Manage profiles“ or the spanner icon. This section will enable you to create and modify profiles based on chosen fields (product description, tracking number, name of recipient for instance) with default values and even to create your own fields. There are two default profiles available. Once your profile is saved, you will be able to use it for all your recordings.

## 3. START A NEW RECORDING

Go back to the previous page containing the general information or go in the top menu and press on the + icon. Choose the right profile and fill in the specific values. You can also choose time thresholds for activating the alert diodes and delayed start. Just press then on „Start new recording“ to confirm and place the smartphone next to the data logger. A green diode indicates the recording has started. You can also choose manual start with the „push“ button.

## 4. PLACE THE LOGGER IN THE WANTED LOCATION

You can now position the logger in the package to be monitored (using the double-face scotch) and press the „push“ button to start recording if you have chosen manual start.

## 5. READ THE DATA AND STOP THE RECORDING

If a new user has to do this step, he/she will simply have to first repeat step 1. Once the Blutag app is open, position your smartphone next to the data logger. You will be directed to the page containing general information about the logger and about its recordings. Choose the ongoing recording. You will be able to visualize the corresponding graph and data, „stop recording“ and access GPS localizations by pressing the top right button (added to the memory each time the logger was scanned).

## 6. EXPORT THE TEMPERATURE DATA

From the recording page, temperature data can be exported as a Temperature report in CSV format to be then exported to Excel for instance using the top right icon. Exports can be done using „sharing“ options of your smartphone. You can also upload data to the cloud. For this last function, please contact us so that we create your free cloud account.

## STANDARDS

The blutag TLDL loggers comply with the HACCP, EN 12830, GDP and ETSI 300 220 standards.

## WARRANTY

12 months warranty under the following conditions.

Damage caused by the following is excluded from the manufacturer's warranty:

- Use contrary to the intended purpose
- Lack of care, accidents or normal wear
- External influences (e.g. damage during transport, damage caused by vibration, excess heat or acids)

This warranty expires if:

- The ID number of the product is changed, removed or made illegible
- Repairs or modifications are undertaken by third parties or unauthorised persons

## SAFETY INSTRUCTIONS

- Only use the product properly, for its intended purpose and within the parameters specified in the technical data
- Do not try to open the devices and/or use force

## TECHNICAL DATA

Temperature scale:	°C
Temperature range:	-30 °C to +70 °C
Measurement interval:	10 sec to 2 hours
Memory capacity:	5,000
Days of recording:	36 every 10 min
Resolution:	0.1 °C
Accuracy between 0 and 30 °C:	+/-0.2 °C
Accuracy on the rest of the range:	+/-0.4 °C
Dimensions:	80 x 50 x 2.5 mm
Weight:	10g
Protection class:	IP67
Time:	UTC
Equipment needed:	NFC / Android
Period of validity:	On device
Data reading period post end of rec:	2 years