

OPERATING PROCEDURE

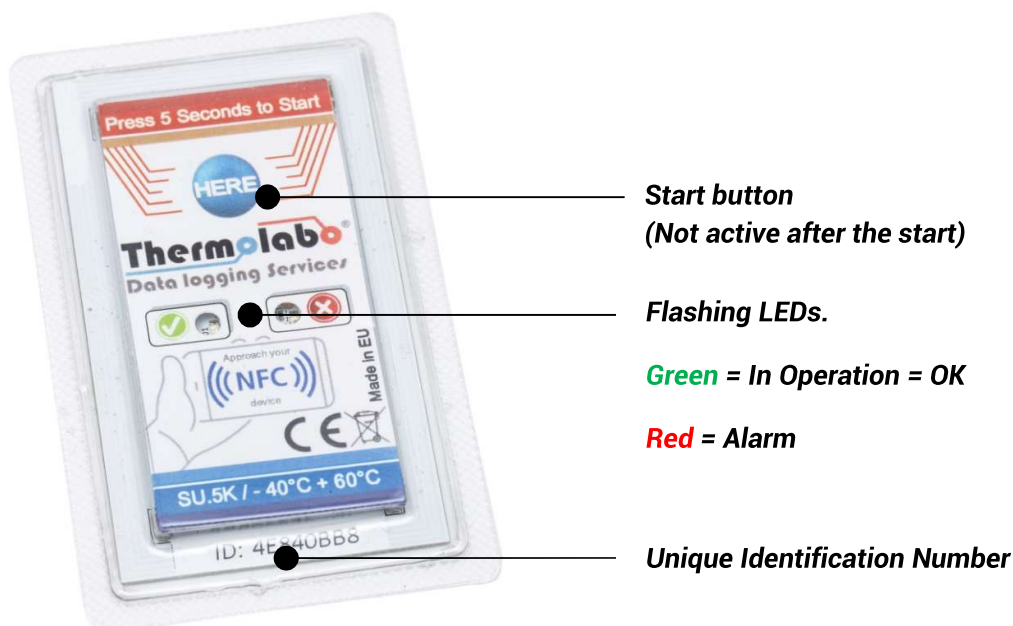
Sensolabo®

THERMOLABO APP



SU -EN

Presentation of Sensolabo®



Sensolabo® is a contactless temperature monitoring solution that uses "NFC" communication technology. (The one used by our credit cards for contactless payment).

This technology allows you to reduce the processing time of received temperature recorders by 90% by eliminating data manipulation.

In one movement, effortlessly, from everywhere, you will be able instantly, automatically and simultaneously to Read, Send, Secure Data and alert the products sender by e-mail.

NFC USB Reader

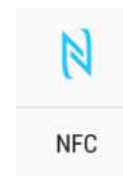
Sensolabo recorders are designed to operate with the "Thermolabo" Android dedicated reading application. If unfortunately, the application cannot be used, you can order a USB NFC reader and its software environment to access Sensolabo data from a Windows® computer.

INTRODUCTION / GETTING STARTED

1. Activate NFC

Go to the "settings" menu of your Android Smartphone and activate the NFC.

You can also activate the NFC connection by clicking on the NFC icon on the drop-down menu on your smartphone's home screen.



PDA's and professional grade Android readers equipped with an NFC antenna are also compatible.

You can check using the following link if your smartphone is equipped with NFC:

<http://www.nfcworld.com/nfc-phones-list/>

2. Download Automatically the Android Application

Once the NFC is activated, simply position the recorder at the rear of your Smartphone or the nearest from the internal NFC antenna of your device.



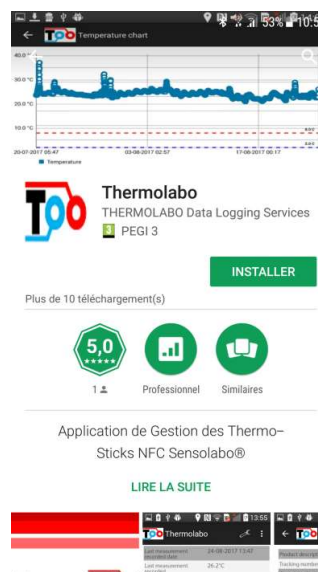
You will be automatically redirected to the Google Play download page of the Thermolabo Android app.

Click on "install" to proceed with the installation.

You can also download the app directly from the Play Store by typing "Thermolabo" in the application search bar.

We invite you to rate and comment on the application.

Play Store Icon :



3. Open the application

Open the Thermolabo app and position again the recorder at the rear of your Smartphone or the nearest from the internal NFC antenna of your device.

The screen where you can access the recorder information will appears.

Remember that short-range NFC technology requires Sensolabo to be positioned directly below the NFC antenna of your Smartphone/Reader with a maximum distance of 5 cm between the two.

To get benefits of all the functionalities and to enhance your experience, we recommend authorizing the application to get access to your GPS position as well as the contents and files of your device.



Thermolabo®
Data logging Services

version 1.0.11 (12)

Placez votre appareil au contact de
l'enregistreur «NFC»



USING THE APP

1. Essential Informations

Once the recorder is nearby the Smartphone, you will go directly to the main page of the application. You will be able :

View information about the last record or the record in progress.

Access the record details (See 2. 3.)

Get recorder information. (See 4.)

And start, restart or stop recording.

Start and restart record functions are usable only with multi-use recorders versions.

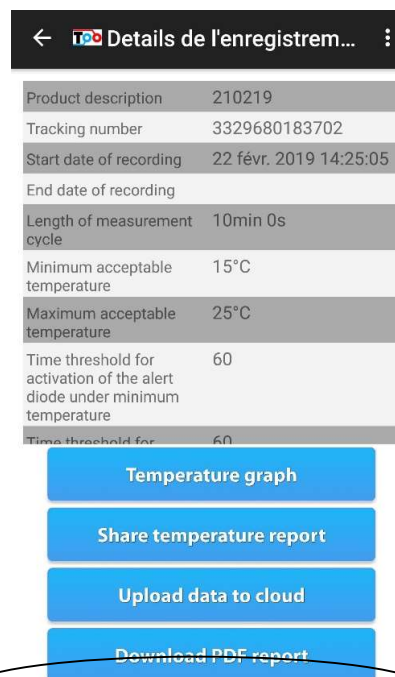


2. Reading data and downloading PDF reports

The PDF report is automatically downloaded and accessible from your Smartphone. You can find it from the 'Download History' folder and 'Documents' in the 'My Files' folder.

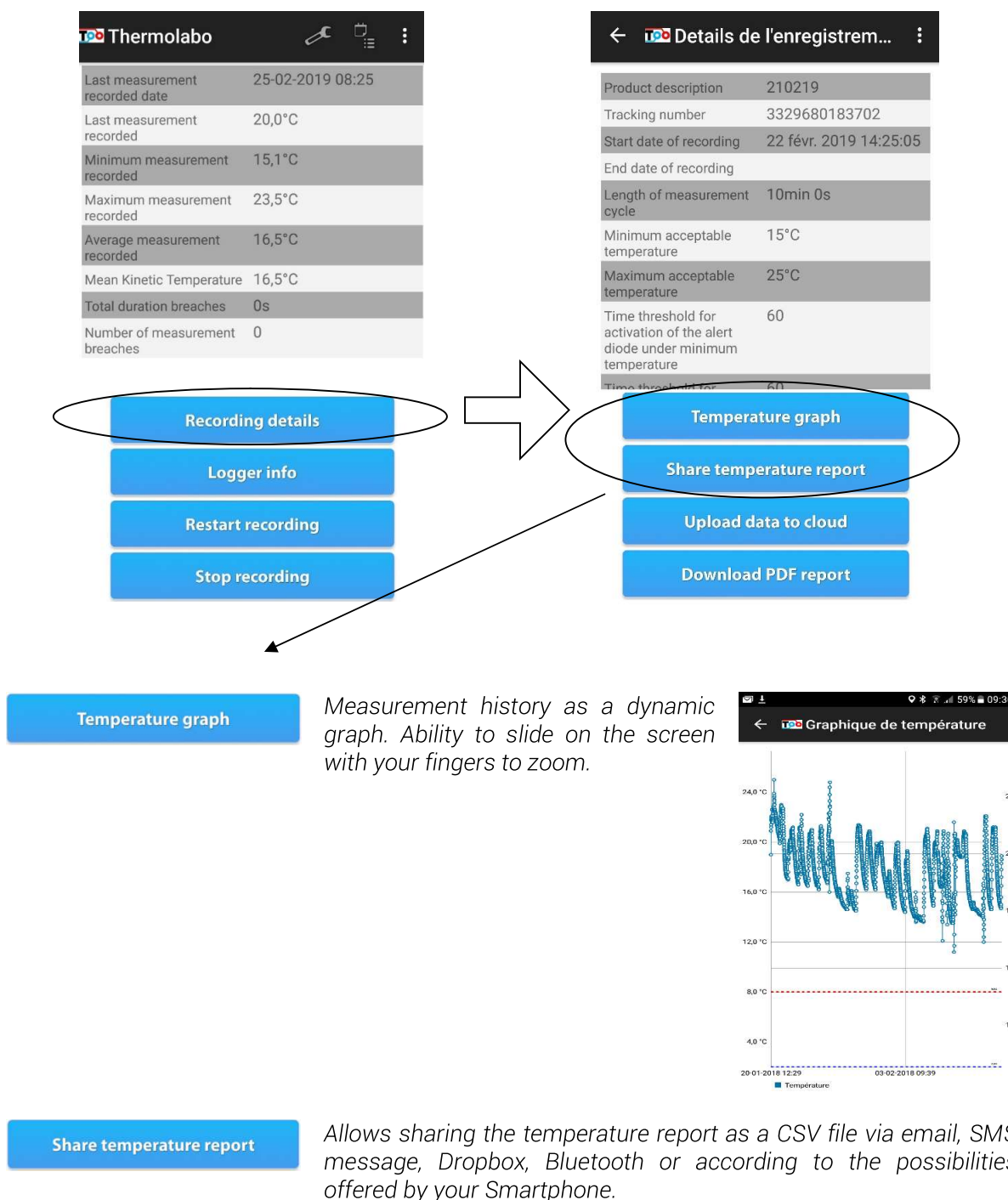
If you want to download it again from the app, click on "Detail of the Record" and choose the "Download PDF Report" option to download the report to your Smartphone.

Even if data are automatically uploaded and send to the products sender, depending on the possibilities offered by your Smartphone, you can then send it by email, download it to your computer, or send it to a network printer.



3. Access to the dynamic temperature graph

Click on Record Details to access logistic details, dynamic chart, share the CSV data report, download the PDF report to your Smartphone, or upload the data to the cloud.



4. Recorder Information

The button "Recorder Information" gives you the possibility to access useful information related to the device - ID number of the recorder, firmware and hardware versions, date of calibration and validity as well as the number of cycles of the device records that have already been made.

← Informations enregistreur	
Sensolabo ID number	2000bee6
Firmware version	29
Hardware version	10
Calibration date	23 janv. 2019 09:00:00
Expiration date	24 avr. 2020 10:00:00
Count of recordings used	1
Recording time left	362d 5h 54min 38s

5. Calibration certificat

To download the calibration certificate provided individually for each recorder, Click on the "paper" icon in the upper right corner of the main screen.

The PDF calibration certificate is automatically downloaded and accessible from your smartphone. You can find it from the 'Download History' folder and 'Documents' in the 'My Files' folder.

Thermolabo	
Last measurement recorded date	25-02-2019 08:25
Last measurement recorded	20,0°C
Minimum measurement recorded	15,1°C
Maximum measurement recorded	23,5°C
Average measurement recorded	16,5°C
Mean Kinetic Temperature	16,5°C
Total duration breaches	0s
Number of measurement breaches	0

Recording details

Logger info

Restart recording

Stop recording

TECHNICAL DATA

Temperature scale	°C (°F in option)
Temperature range	-40°C to +60°C
Measurement interval	From 10 sec to 2 hours
Memory capacity	From 5,000 to 48,000 measurements
Recording Time	De 36 days to 1 year
Resolution	0.1°C
Accuracy between 0 and 30 ° C	± 0.2°C
Precision on the rest of the range	± 0.4°C
Dimensions	80 x 50 x 2.5 mm
Weight	10g
Protection Class	IP 67
Time	UTC
Required equipment	NFC / Android
Shelflife	1 year
Lifetime after recording end	2 years

HOW TO ? VIDEO

We also invite you to consult our video tutorials for a better experience with Sensolabo®.



Type "Sensolabo" on Youtube or click on the links below:

Receiving / Reading data using the application:

<https://www.youtube.com/watch?v=oT5Y0TdP450>

Obtaining the calibration certificate:

<https://www.youtube.com/watch?v=4MoT68WMWSA>