



BodyCAP

Your e-health partner

In your box:



A specific wire to connect
your system to a power
supply or to your computer

Your patch e-TACT

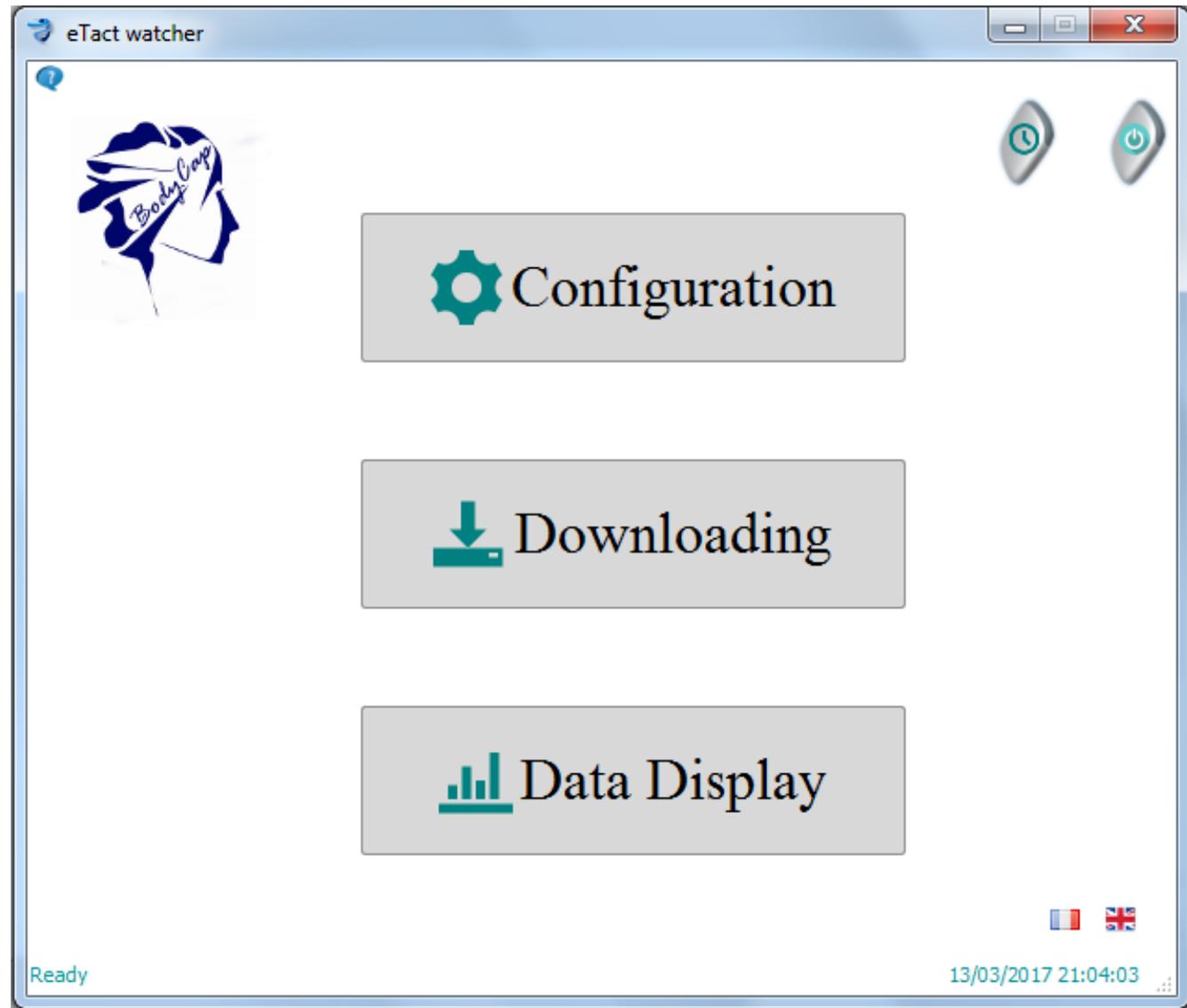
The USB memory stick
including e-TACT
Watcher, User guide...

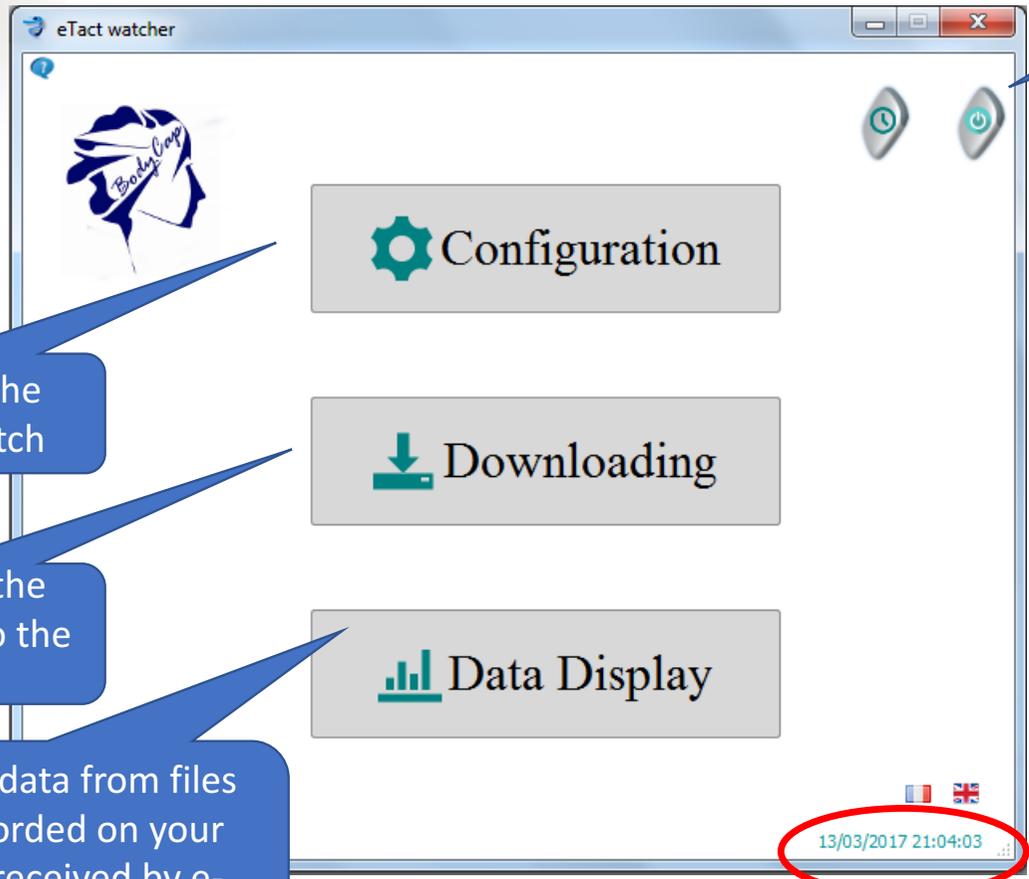
A soft protective Coat
to keep the system
out of humidity...



Install e-TACT Watcher, stored on the USB memory stick.

If a patch is connected to the computer, you will have an access to the configuration menu.





To configure the connected patch

To download the data stored into the patch

To display the data from files previously recorded on your computer or received by e-mail...

To switch off the patch

13/03/2017 21:04:03

By default, the system will be set at the time and date of your Computer.



Configuration interface

The screenshot shows a 'Settings' window with a sidebar on the left and a main configuration area on the right. The sidebar contains four menu items: 'General' (wrench icon), 'Temperature' (thermometer icon), 'Activity' (bar chart icon), and 'Settings' (line graph icon). The main area displays device information and configuration options.

Settings

Identifier: d7:51:6e:2b:d5:33
Battery: 72%

Recording time estimation

Days	Hours	Minutes
153	3	37

Button
 Memory alarm
Mode : Memory

Temperature
Period: 20 sec
 Temperature alarm
Min threshold: 15°C
Max threshold: 45°C

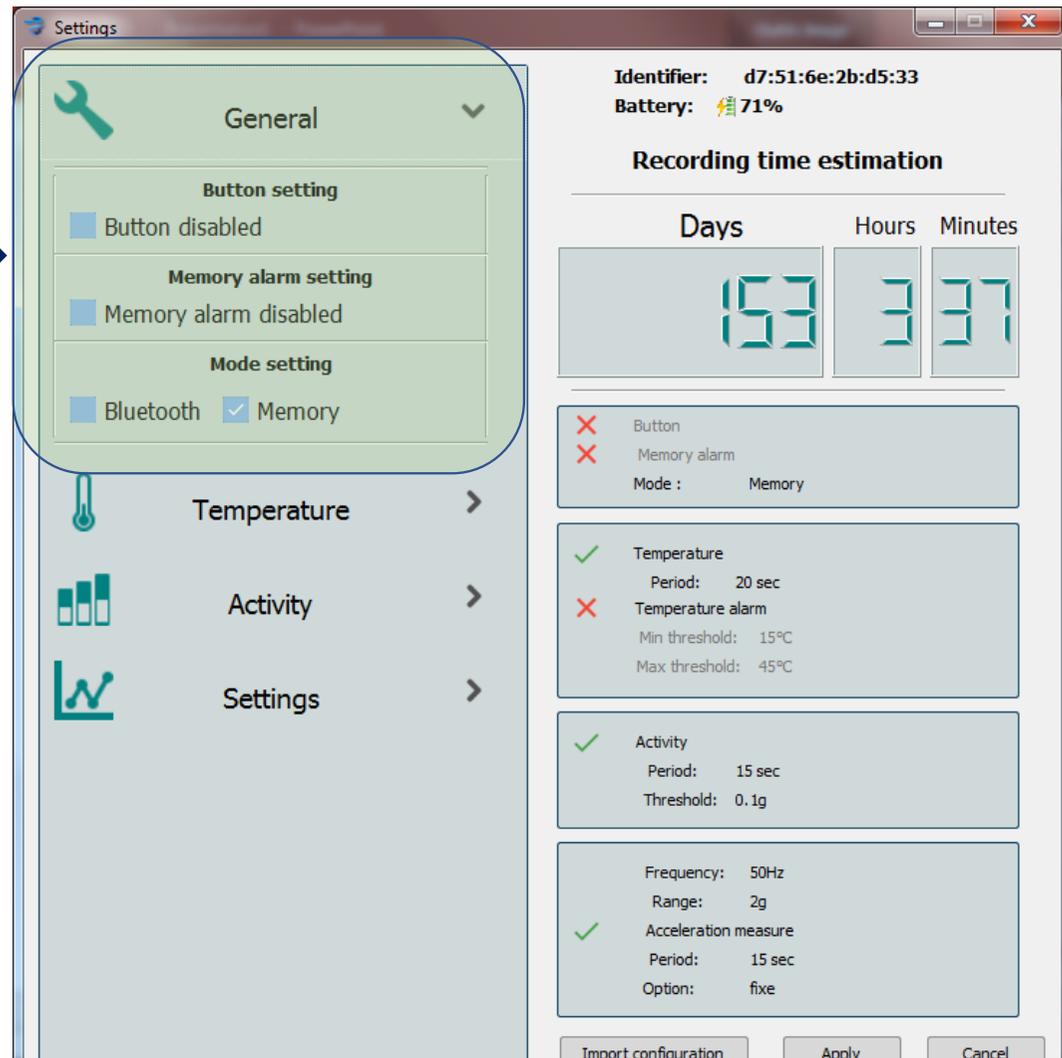
Activity
Period: 15 sec
Threshold: 0.1g

Frequency: 50Hz
Range: 2g
 Acceleration measure
Period: 15 sec
Option: fixe

Import configuration Apply Cancel



General settings



You can choose, Bluetooth (BLE) mode **OR** Memory mode

BLE mode (it is a demo feature): the patch will send all the real time to a connected device.

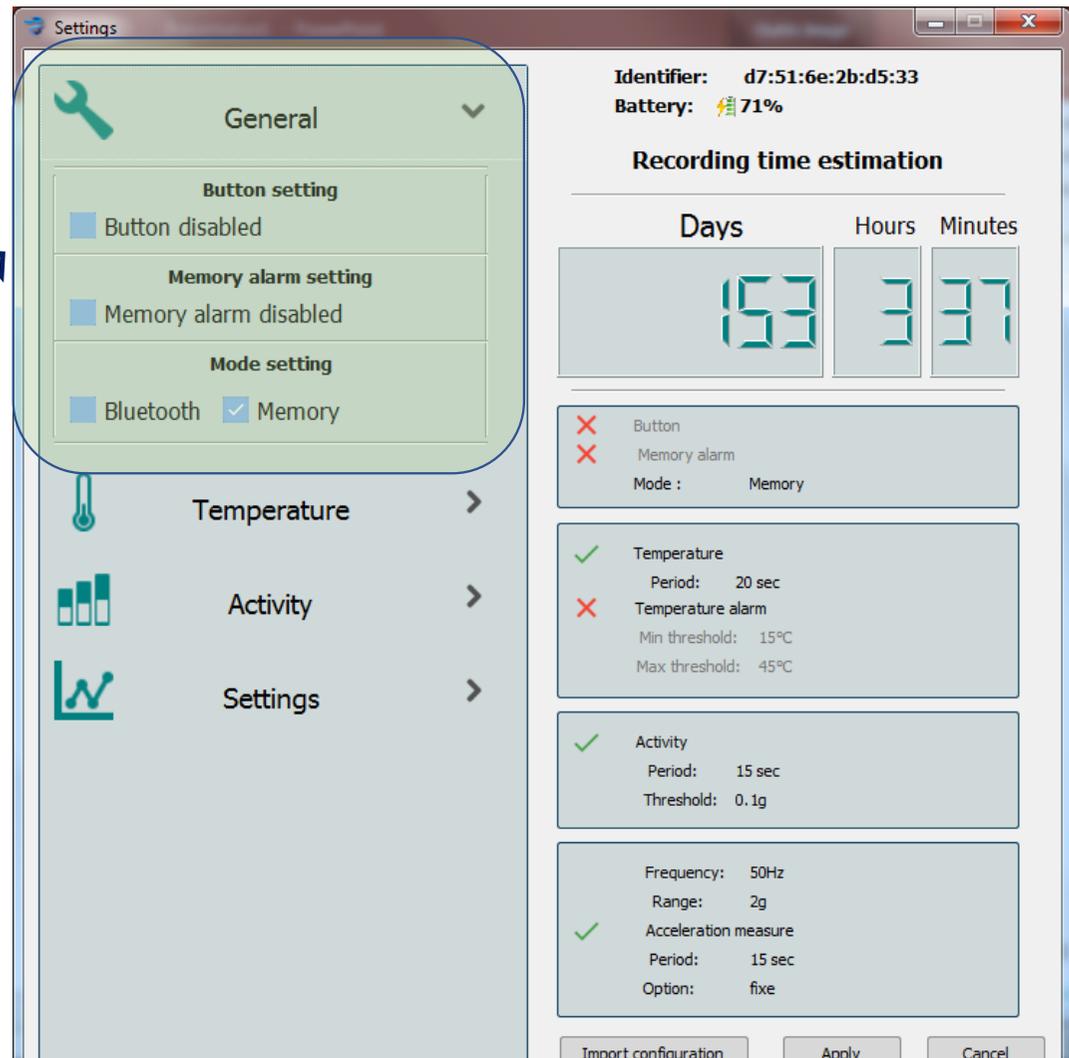
The mode doesn't allow any recording into the memory of the patch. If the data are not received by the device they will be lost.

Memory Mode: the data will be stored into the internal memory of the patch.



The button on the patch allows to turn from Memory to BLE mode (and reciprocally) during the recording session (long push on the button).

This button also allows to place event markers during the recording (short push on the button).





Temperature settings

If the function is enable, you may:

- Choose the sampling frequency using the slide bar
- Choose alarm thresholds

Settings

Identifier: d7:51:6e:2b:d5:33
Battery: 74%

Recording time estimation

Days: 153 Hours: 3 Minutes: 37

Temperature measurement enabled

Measurement period setting: 20 Sec

Temperature alarm

Alarm disabled

Threshold setting

Min threshold: 15 °C
Max threshold: 45 °C

Button (disabled)
Memory alarm (disabled)
Mode: Memory

Temperature (enabled)
Period: 20 sec
Temperature alarm (disabled)
Min threshold: 15°C
Max threshold: 45°C

Activity (enabled)
Period: 15 sec
Threshold: 0.1g

Frequency: 50Hz
Range: 2g
Acceleration measure (enabled)
Period: 15 sec
Option: fixe

Import configuration Apply Cancel

Activity monitoring is based on actimetry analysis

Actimetry level is calculated on the bases on a TAT analysis. (Time Above Threshold).

How does it work ?

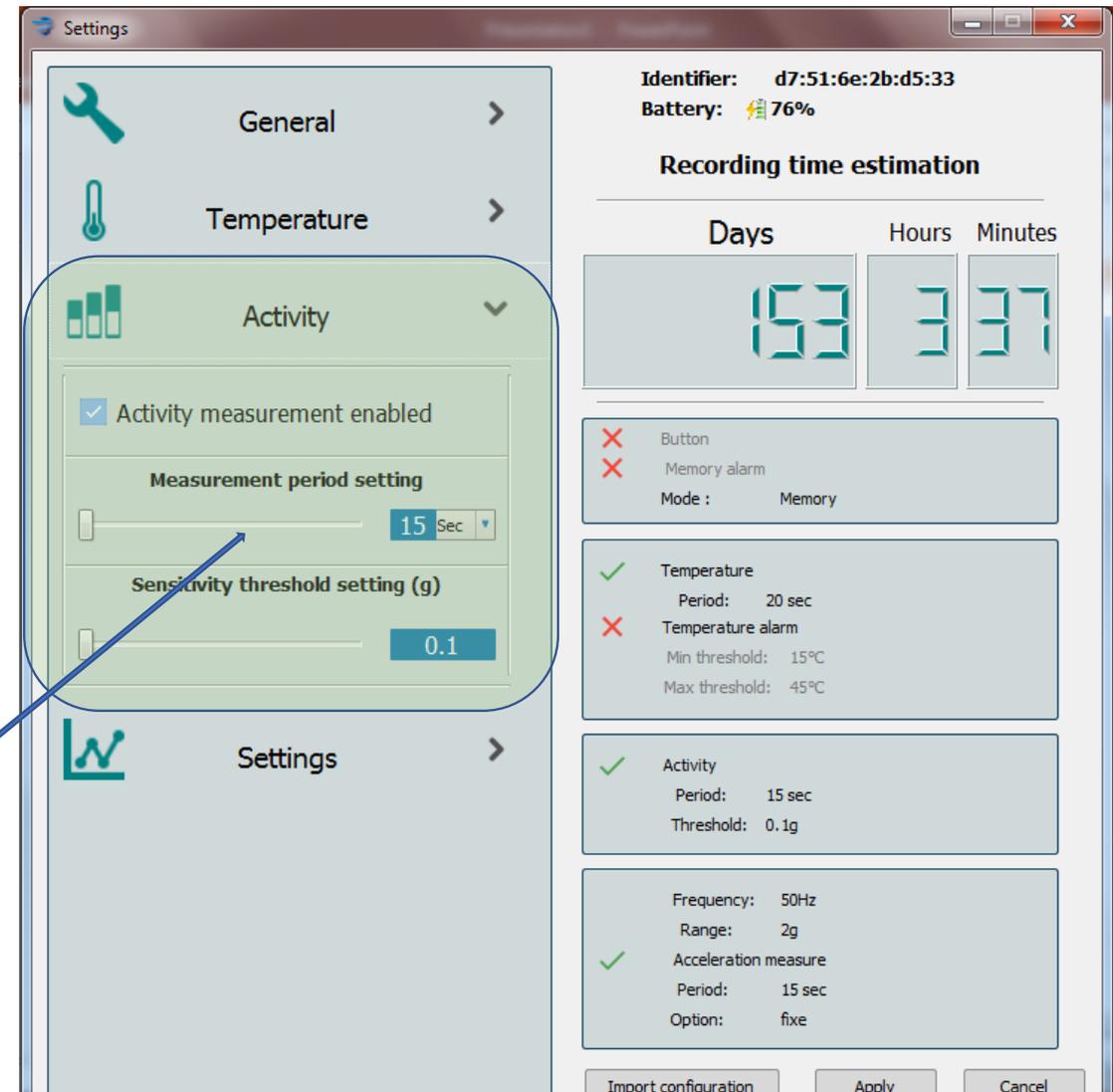
The accelerometer is set to a Sensitivity Threshold. (Given Example: 0.1g)

This accelerometer works on 3 axis at a frequency set at 25 Hz or 50 Hz (see  item).

The TAT value for 1 second will be the number of Times that the Sensitivity threshold value was overpassed ==> Maximal TAT value for 1 second will be 25 or 50 depending on your settings).

You will have to choose a « measurement period ». The shorter is this period the more accurate will be your analysis.

Ex: the TAT value will be computed every 15 sec ==> Maximal Value = 50 Hz* 15 sec = 750



Accelerometry Settings

The actimetry monitoring can be performed at a sampling frequency set at 25 Hz or 50 Hz

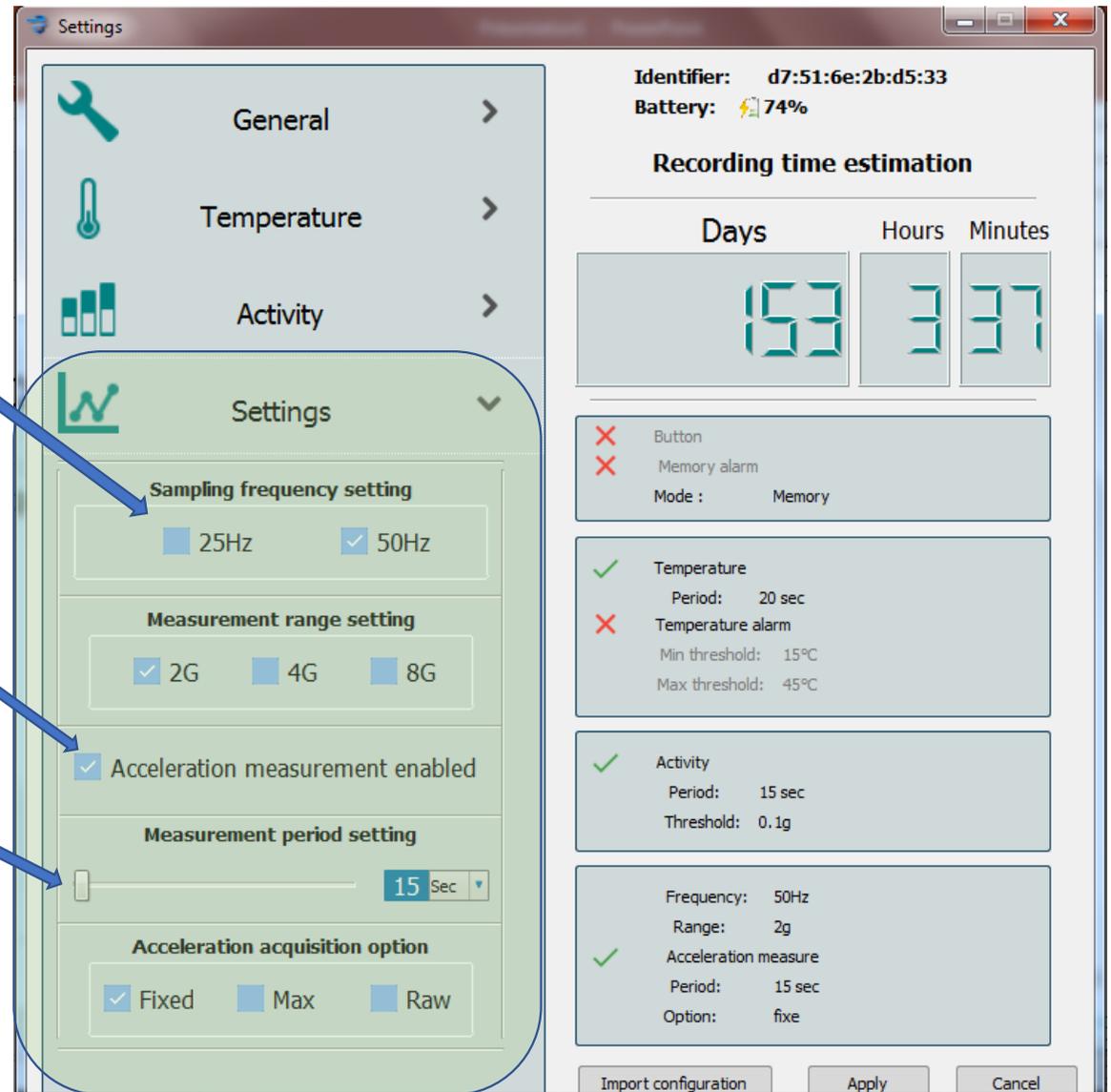
If needed, the system can provide Raw Acceleration values « Enable acceleration measurement »
If you don't need the acceleration analysis, you can disable the function.

If the Acceleration monitoring is enable. You will have an access to the « Measurement period setting ».

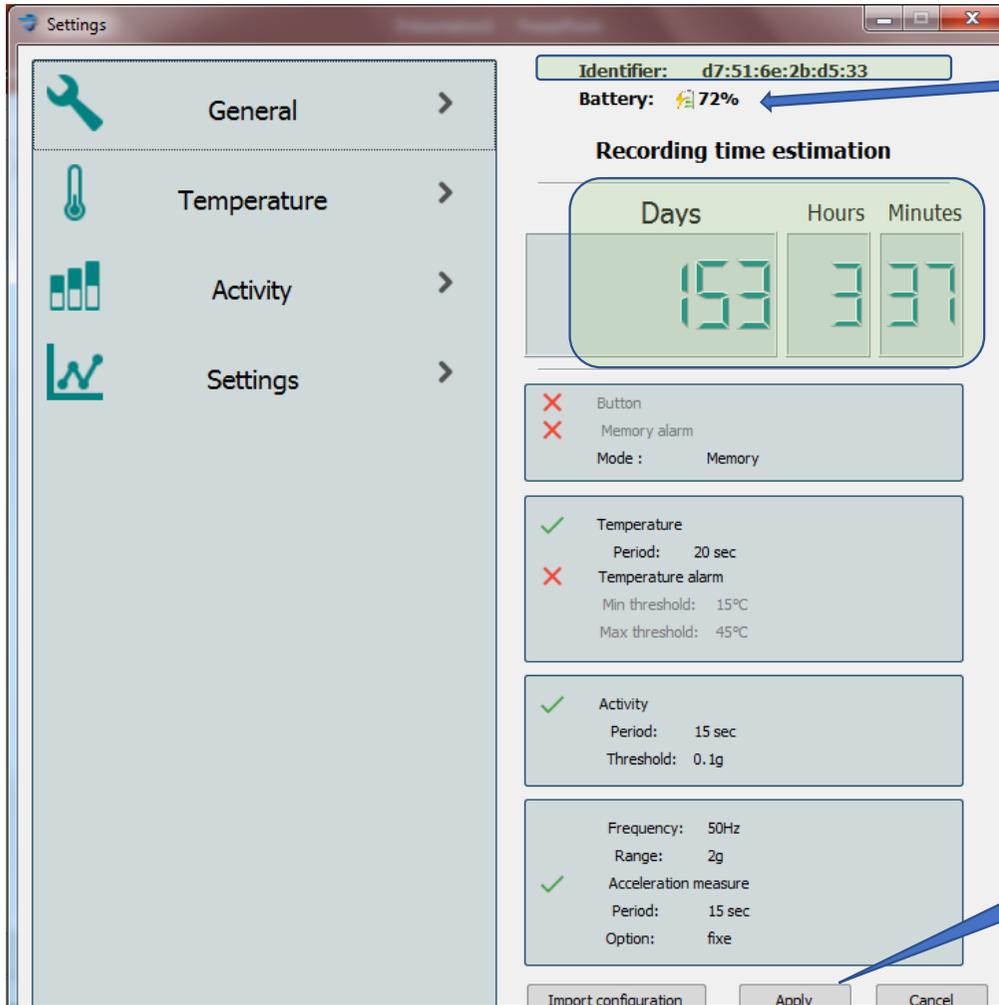
In the given example
Fixed: will provide you an acceleration value every 15 sec.

Max: would provide you the maximal acceleration value collected during the last 15 sec period.

Raw: the acceleration value would be provide at 25hz or 50hz. (not compatible with BLE mode)



Configuration interface



Battery status of your device

Recording time estimation based on the setted parameters

At the end of the setting process. You can check the status of each parameter.

Recap of the settings

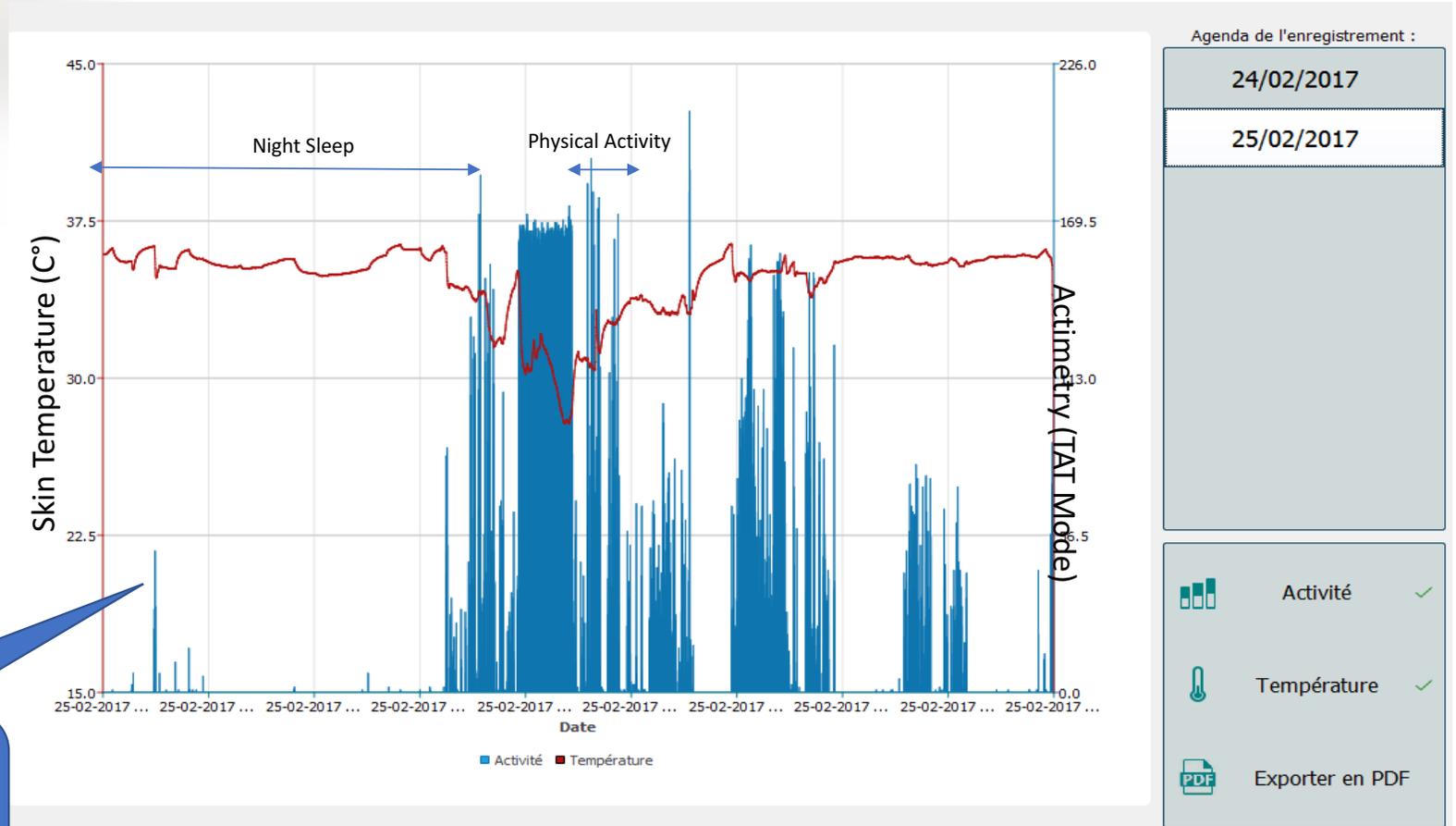
-  ==> Enable
-  ==> Disable

Apply your settings.



As soon as your patch will be unplugged, it will start working

Display interface allows a quick overview of the data collected during the recording period



Each vertical bar represent 1 TAT value on the selected period (15 sec, ...)

The CSV file gives a full access to raw data



Data index

Time and date of the collected data

Temperature value collected of the pick up time

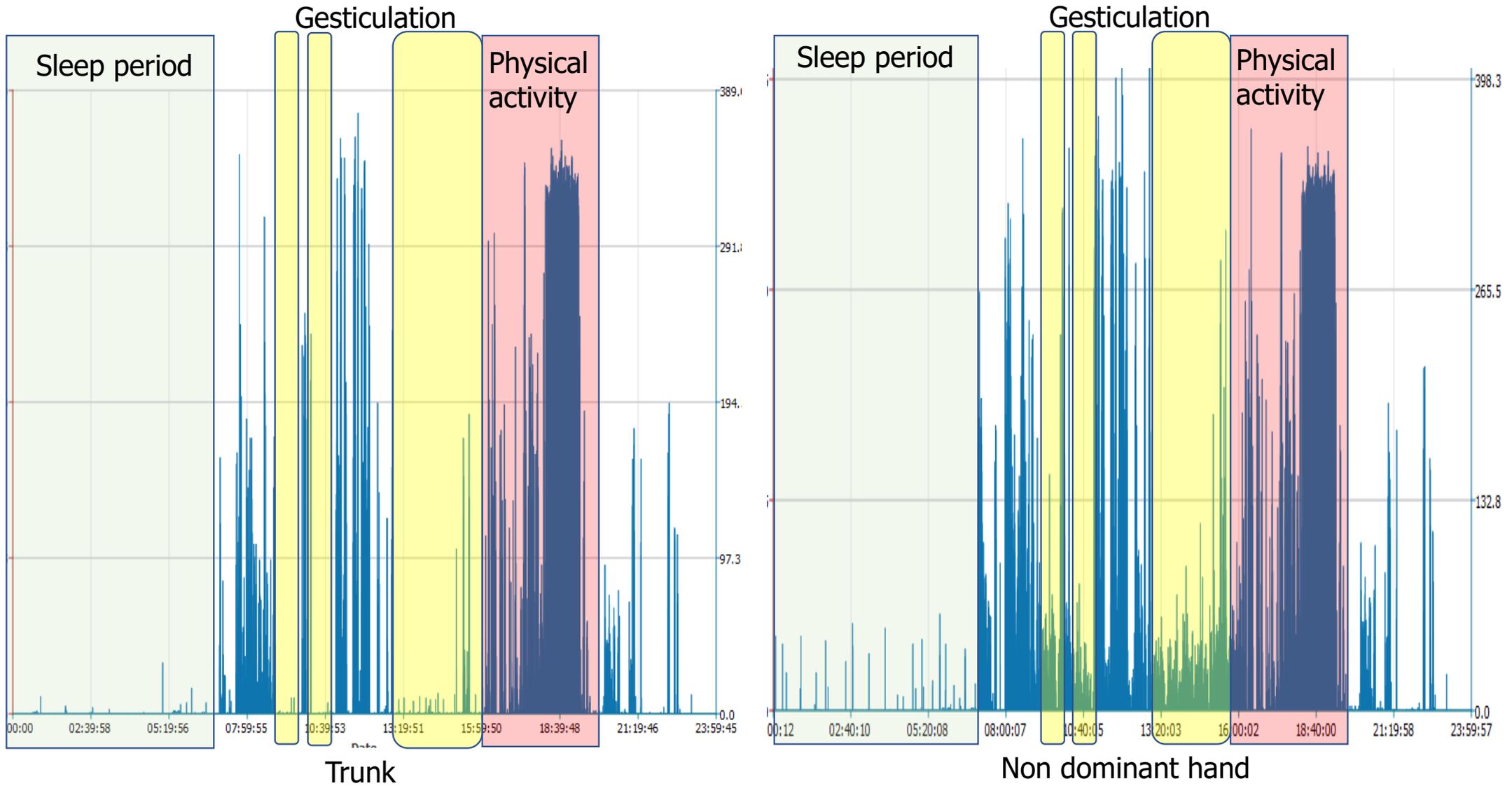
Raw acceleration measured on each of the 3 axis at the pick up time

Working mode of the patch
Flash memory VS Bluetooth

Event markers are displayed

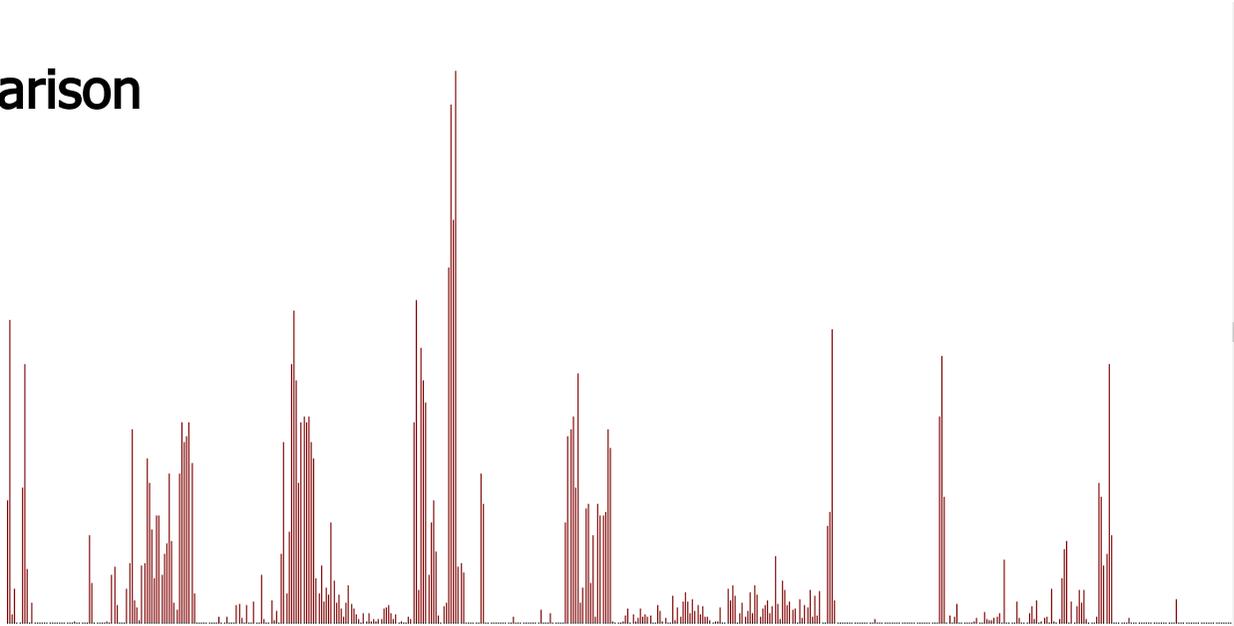
	A	B	C	D	E	F	G	H
1	Index	Date	Temperature	Activity	X-axis	Y-axis	Z-axis	Marker
2	0	23/02/2017 14:27:08						FLASH
3	1	23/02/2017 14:27:09		11				
4	2	23/02/2017 14:27:10		9				
5	3	23/02/2017 14:27:11		13				
6	4	23/02/2017 14:27:12		12				
7	5	23/02/2017 14:27:13		13				
8	6	23/02/2017 14:27:14		11				
9	7	23/02/2017 14:27:15		8				
10	8	23/02/2017 14:27:16		7				
11	9	23/02/2017 14:27:17		12				
12	10	23/02/2017 14:27:18	23,73	12				
13	11	23/02/2017 14:27:19		11	-2,01575	-2,01575	-2,01575	
14	12	23/02/2017 14:27:20		13				
15	13	23/02/2017 14:27:21		12				
16	14	23/02/2017 14:27:22		12				
17	15	23/02/2017 14:27:23		12				
18	16	23/02/2017 14:27:24		12				
19	17	23/02/2017 14:27:25		12				
20	18	23/02/2017 14:27:26		12				
21	19	23/02/2017 14:27:27		12				
22	20	23/02/2017 14:27:28	25,45	12				
23	21	23/02/2017 14:27:29		12				
24	22	23/02/2017 14:27:30		12	-0,23622	0,267717	0,488189	
25	23	23/02/2017 14:27:31		12				
26	24	23/02/2017 14:27:32		12				
27	25	23/02/2017 14:27:33		12				
28	26	23/02/2017 14:27:34		12				

Actimetry monitoring on a 24H period with 2 devices

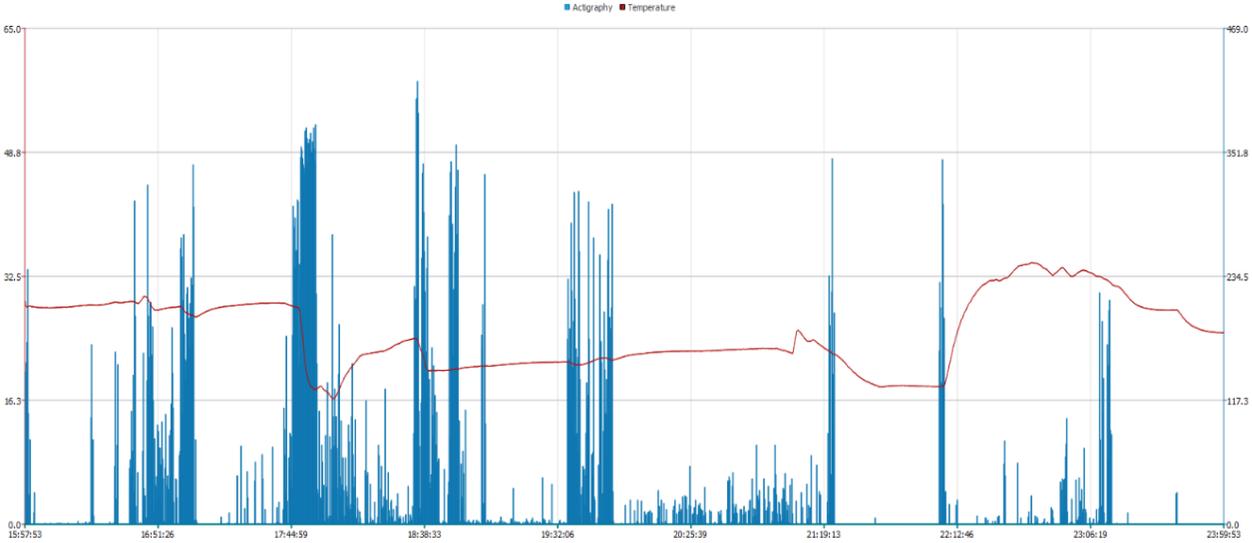


Actimetry Recording comparison

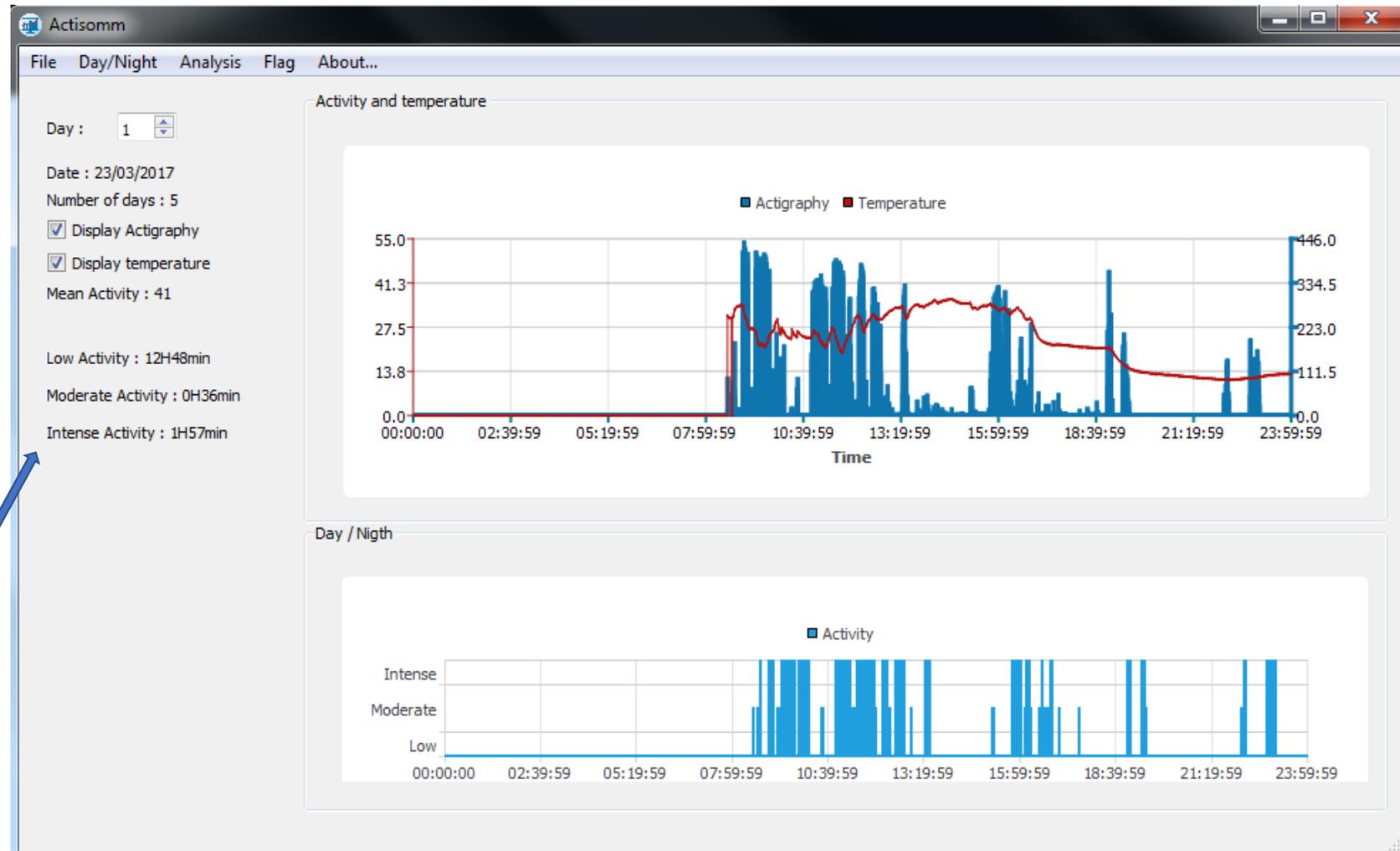
Actiwatch Recording



eTact Recording



Actisomm allows an automatic analysis of the data.



For each 24 h period the Activity level may be split into 3 categories:

- ➔ Low activity
- ➔ Moderate activity
- ➔ Intense Activity