USER-MANUAL Tamcom

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1 SAFETY AND WARNINGS

Make sure before installing or operating the equipment to read and understand all instructions and safety precautions listed in this manual. If there are any questions concerning the operation of the equipment or about the information given in this manual please contact your local dealer or our sales department first.

Performance of installation, operation, or maintenance other than those described in this manual may result in a hazardous situation and may void the manufacturer's warranty.

Never operate equipment that is not correctly installed. Unqualified personnel must not operate the equipment. Avoid damage to the equipment, or its accessories, caused by incorrect operation.

Important:
- When performing service, maintenance or moving the apparatus, always disconnect the apparatus at the main's socket,
- Proper skilled and trained personnel are only allowed to operate this equipment,
- Take notice of warning labels and never remove them,
- Refer service and repairs to qualified technician,
- If a problem persists, call your supplier or Tamson Instruments bv.

2 WARRANTY

Tamson Instruments bv. warrants that all their manufactured equipment is free from defects in material and workmanship, preventing the machine from normal operation. Tamson Instruments bv does not warranty that the equipment is fit for any other use than stated in this manual. The manufacturer can only be held responsible for the security, reliability and performance of the equipment, when operated in accordance with the operating instructions, extensions, adjustments, changes and/or if repair is performed by Tamson Instruments bv. or authorized persons only. This warranty is limited to one year from the date of invoicing. All equipment and materials are subject to standard production tolerances and variations.

3 Software installation

Before installing, remove any older version

Unzip the software
Tamcom.zip
Two files will be visible

Installer.msi
setup.exe

Sometimes anti virus software removes the “setup.exe” as it is seen as untrusted and thus a threat.
See your antivirus software on how to undo this problem\

Start installing by double clicking the “setup.exe”

Follow the screens
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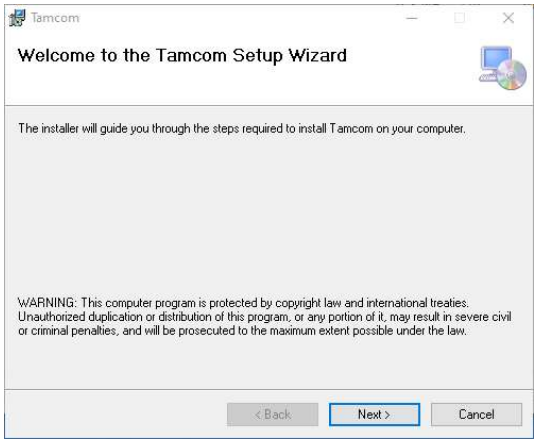
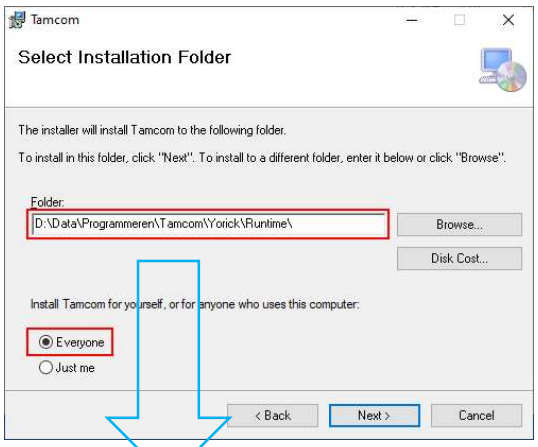
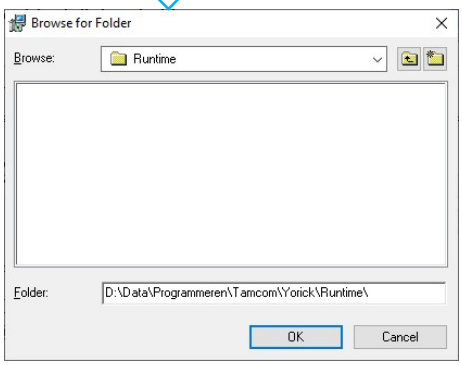
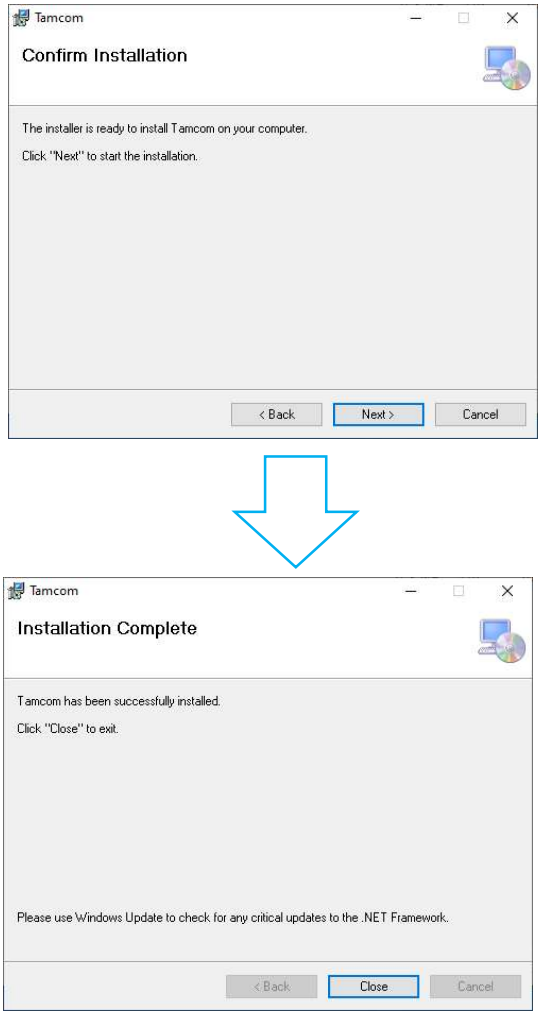
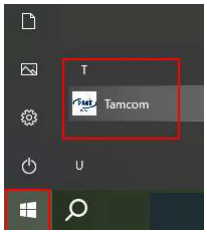








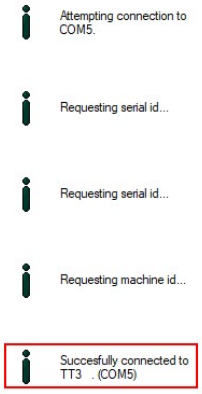
After finishing the installation, TAMCOM will be visible from the start menu



Double click to start Tamcom

Connecting	
Item	**Description**
1	Pages
2	Scan for connected devices
3	Devices found
4	Close software

4 Running the software



Connect a thermometer and make sure the baudrate item on the thermometer is set to 57600

Press “Scan”, the device will be found, but is not yet connected

Name	Service
USB Serial Port (COM4)	FTSER2K
USB Serial Port (COM5)	FTSER2K

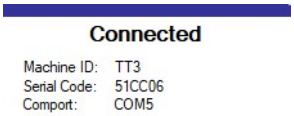
To connect the thermometer double click on the

“USB Serial Port (COM5)”

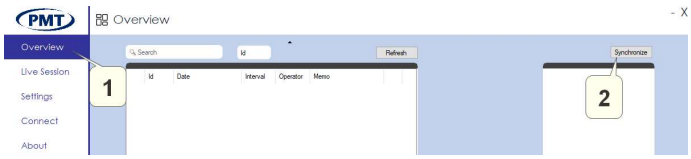
This can take up to a few seconds

During the connecting messages will be displayed at the side of the screen

Specific info is displayed in the screen

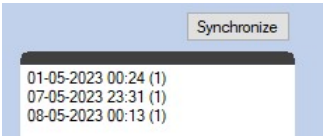


Now you can select the overview window [1]
And synchronize the thermometer [2]



This will do 2 things:

- The thermometers date and time will synchronized
- It will display the measurements sessions stored [max 16]



In this menu 3 stored measurements are displayed

4.1 Display a session

When a session is selected, the data will be retrieved from the thermometer.

During the loading of the stored data a bar will be displayed.
The download can be stopped (data is secured).

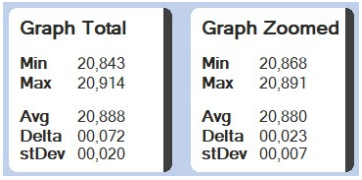
Depending on the duration of the logging, the time to retrieve the data can take up several minutes.

Displaying a graph	
Item	**Description**
1	Y-Axis
2	Graph
3	Max temperature
4	Min temperature
5	X-Axis
6	Zoom graph start
7	Zoom graph end

4.2 Zooming data

Use your mouse to zoom the graph

Select the start [1]
Select the end [2]
Use [CTRL] and mouse to move this zoom window [3]

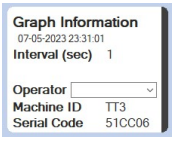


The data of the window is displayed under the graph
- The values of the session
- The values of the zoomed part of the graph

General data also is displayed
The operator list will be available when filled
Filling can be done in menu “settings”

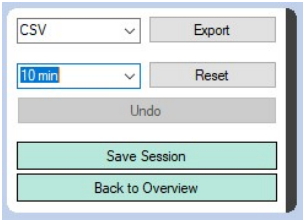
The zoom window also comes with a pre-set

A window can be set to:
30 sec,
1 min,
10 min,
30 min,
60 min



The data can be exported as

CSV, Excel, PNG, JPG, PDF, Print, SQL

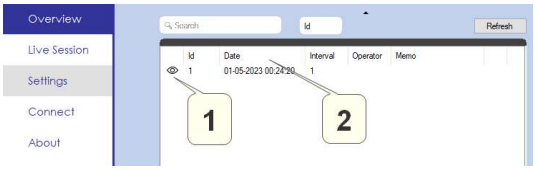


Print will send a screen dump to the printer
When selecting “export”, a menu will open:
Choose a map,
or
in case of the “Print” option choose from any connected printer

The memo field offers comment text to store with the session.
Additional text can be combined with the specific graph and stored.

“Save Session” or skip using “back to overview”.

4.3 Library



When a session is saved it will be stored in the database

When a session is saved it will be stored in the database

The data can be selected by clicking on the “eye” symbol:

Data can be organized on Id, Date, etc.
Click on the header of the column to organize

The data is stored in an SQL database

The file is named “Tamson.db”

One can copy this file to secure all data in another Map or on another network or device

The “Tamson.db” can be overwritten in the map where the program is situated to restore

This is the map chosen during installation.

5 Logging live data

When the Thermometer is connected also live data can be logged.

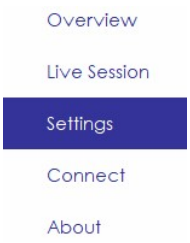
All functionality of the logged data will be usable here.

When connected, start the acquisition using the button “start Session

Stop a running session hitting the same key, now showing “Stop Session”

Once stopped, save or discard the data

6 Settings



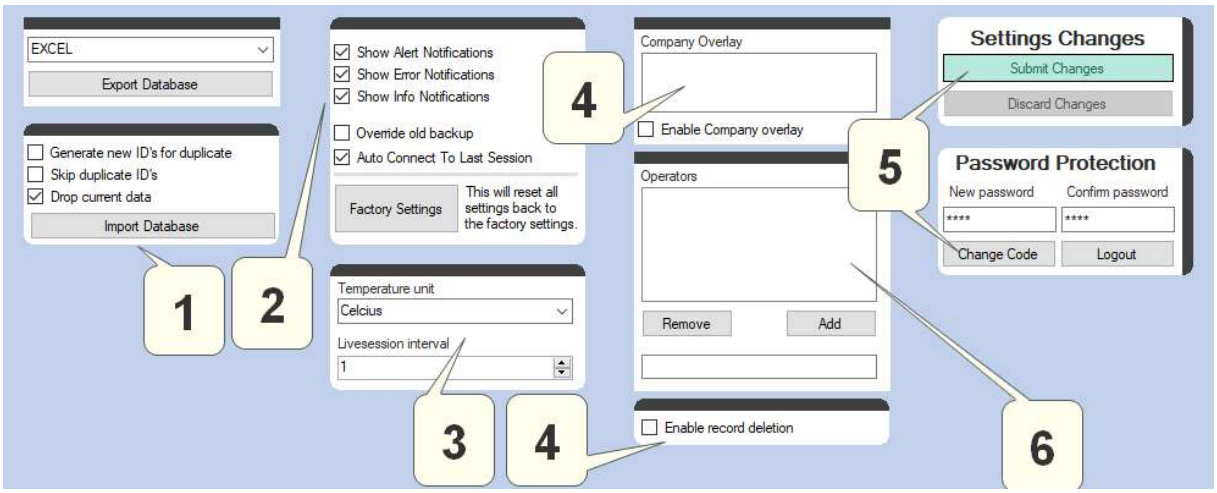
To open you have to use a password.

5662

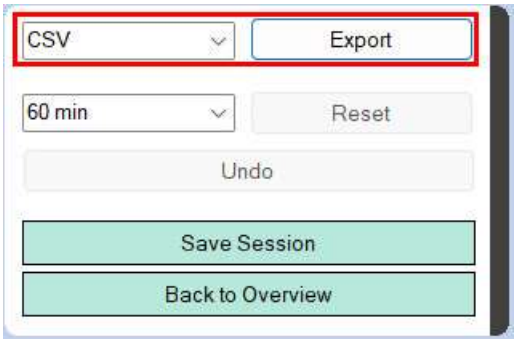
The password can be altered, however 5662 will always work

The menu “settings” offers following possibilities

Displaying a graph	
Item	**Description**
1	Export / Importing database - CSV - EXCEL - SQL
2	Notifications right side of screen
3	Temp unit and interval (live session)
4	Company name / enable-disable
5	Confirm changes / password
6	Make list of operators



7 Exporting Data as CSV



A graph can be exported to numerical values.
This way additional data processing can be done in i.e. Excel.
Note that the exported data are the full graph, not the zoomed part

The CSV file is Excel compatible and contains two tabs

In the Sheet “Overview” machine data is displayed
In the sheet temp_LZXIsv the sampled data cabn be found

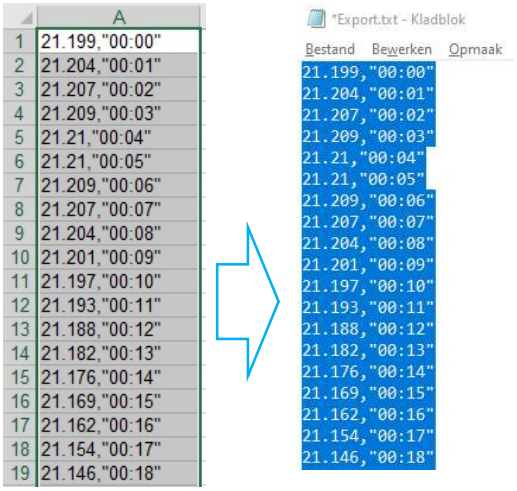
Data is stored as
xx.xxx,"00:00"

Sometimes one wants data separated and a comma as delimiter

Handle as follows using notepad

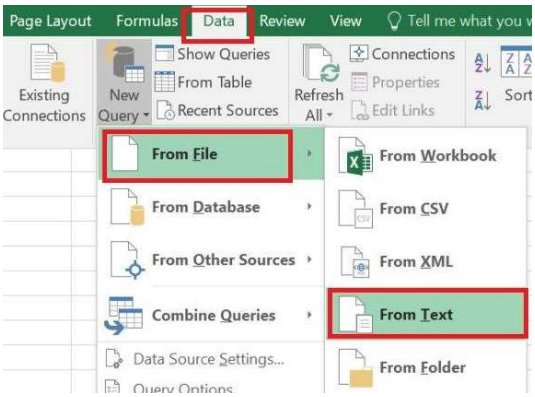
Select the column in Excel
Copy [Ctrl – V]

Copy in Notepad
[Ctrl – C]

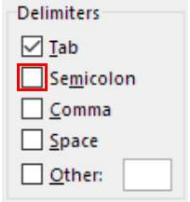


In Notepad us find – replace [Ctrl – H]
First replace the comma “,” with a semicolon “;”
Than replace the point with a comma
Save as a text file i.e. TT3-01.txt

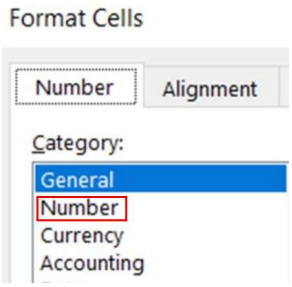
Re-import the data in Excel using
Data
Import from Text



Select the text file you saved in Notepad. In our example “TT3-01.txt”
Import
Delimited, next
Add a semicolon as a delimiter, next and finish
Use the suggested origin (=A1), OK



Your data is now separated ibetween Value and Time
Select row “A” and format [Ctrl + 1] the cel to a 3 digit number



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