

Operating Manual

TagTemp USB-Stick Temperature Data Logger 0568 0037-02

V1.0x H



15. Oktober 2021 B+B Thermo-Technik GmbH Heinrich-Hertz-Str. 4 | D-78166 Donaueschingen



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FORFWORD

Dear customer,

We thank you for having purchased the TagTemp USB-Stick Temperature Logger TagTemp USB-Stick

Temperature Logger TagTemp USB-Stick Temperature Logger and are very

glad that you decided in favour of a product of B+B Thermo-Technik GmbH. We hope this product will fully satisfy you and will assist you effectively in your work.



This Device has been developed to be technically highly up to date. This product has been designed in accordance with the regnant European and German national directives and rules. For a proper and effective usage of the product the customer shall observe the following Operating Instructions. In the case that against one's expectations any troubles occur which you cannot resolve yourself, please

contact our service centers or your salesperson. We go after giving you rapid and competent help to minimize the risk of long-time

outfalls.

The following operating Instruction is an indispensable part of this Product. It contains important advices for the starting up and further use of the device

GENERAL ADVICE

This documentation contains information which must be paid in attention to assure a highly effective and secure use of the supplied product Please read through the following instructions and make yourself familiar with the handling of the product before you insert it in your processes. Keep this document always readily to hand so you can consult it by need.

| 2.1. Labels Symbol | Meaning | Descripton |
|-----------------------|----------------------|---|
| | Advice | It is necessary to read the following advice before beginning the operations. The used symbols in the manual acts first as eye catcher for security risks. The symbols do not replace the security advice. The text must be read to the end |
| Δ | Necessary to observe | This symbol designates important advice and tips that are necessary for the success a work step. They must be followed to get good results |

2.1 Warning Advice

| Symbol | Meaning | Symbol | Meaning |
|--------|--|--------|---|
| | This symbol advises the user of danger for persons, material, or environment. The text gives information that must be necessarily followed to avoid any risks | | Caution against electromagnetic fields (BGV A8, GUV-V A8/W12) |
| | Caution against hot surfaces (BGV A8, GUV-V A8/W26) and hot liquids or substances | | Caution against severe cold (BGV A8, GUV-V A8/W17) |
| | Caution against liquids and hot substances | Â | Caution against dangerous high electrical voltage (BGV A8, GUV-V A8/W08) |



| Caution against dangerous ex-plosive substances (BGV A8, GUV-V A8/W02) | EX | Caution against dangerous ex-plosive atmosphere (BGV A8, GUV-V A8/W21) |
|---|----|---|
| Caution against mobile engines (W29) Caution against moving parts | | Electronic waste |

2.2 Security Advices

B+B Thermo-Technik GmbH assume no liability for damages occurred through failure to observe these security advices. A usage non conform to the instructions given in this manual can damage the device

BODY AND PROPERTY DAMAGES



The national and local standards for electrical installations must be se strictly observed. The use of the device is strictly reserved / restricted to properly schooled / qualified operators.

The system is not adequate for use in atmosphere with explosion danger.

Do not use the system in a high electric or magnetic field area

ENSURING OF PRODUCT SECURITY



The system must be operated only within the limits given in the technical Data Exposing the system to hot temperatures (higher than the operating temperature) will cause damages in the electronic circuits and also damage the housing

USAGE ACCORDING TO PURPOSE



Please use the product only for the purposes for which it is conceived. In case of doubt, please first contact B+B Thermo-Technik GmbH

DISOPOSAL



Please return the device to B+B Thermo-Technik GmbH after expiration of its lifetime

3 INTRODUCTION

TagTemp Stick is an electronic temperature recorder. A sensor measures the temperature and the read value is stored in memory. This data can later be downloaded to a computer for display and analysis in the form of tables or charts.

The NXperience and the LogChart II configurator software are the tools used to configure the operating mode and to view the downloaded data. Parameters such as start and end times of logs and log interval, for example, are easily defined through the NXperience and the LogChart II software.

Acquisitions can also be exported to be analyzed in other applications, such as spreadsheet programs

3.1 Identification

The identification label is on the device body. Check if the features described are in accordance with your order.

3.2 Status Indicator

Status LED indicator: This visual indicator reports the status of operation of device through the number of flashes that occur in an interval of 5 seconds. The states of operation are:

- > One flash: The device is waiting to start the log in memory (standby) or completed a series of logs in memory
- > Two flashes: The device is performing logs in memory
- > Three flashes: The device is or has gone through an alarm condition and is not performing logs in memory

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> Four flashes: The device is or has gone through an alarm condition and is performing logs in memory.

4 TECHNICAL SPECIFICATIONS

| Measuring Range Accuracy | -20.0 °C (-4 °F) to 70.0 °C (158 °F) ± 0.5 °C @ 25 °C (± .9 °F @ 77 °F) ± 1 °C (± 1.8 °F) max. over the full scale Note : An eventual constant systematic error can be compensated using the OFFSET parameter in the NXperience or LogChart II software |
|------------------------------|--|
| Measurement Resolution | 0.1 °C (32.18 °F). |
| Memory Capacity | 32.000 (32 k) logs |
| Measurement Interval | 5 seconds min to 18 hours max |
| Power Supply | 3.0 V lithium battery (CR2032), built-in Non – Replaceable, Non rechargeable |
| Battery Autonomy (estimated) | More than 400 days – 1-minute acquisition interval More than 500 days – 30-minute acquisition interval. |
| Operating Temperature | -20.0 °C (-4 °F) to 70.0 °C (158 °F). |
| Housing | Polyamide |
| Ingress Protection | Device suitable for applications requiring up to IP67 degree of protection. See chapter SPECIAL CARE. |
| Dimensions | 78 x 23 x 11 mm mm. |
| Device-PC data transfer time | Proportional to the number of logs. 20 seconds to 32.000 logs. |
| PC Interface | USB Connector |
| NXperience Software | Configurator software for Windows 10, 8,7, and XP. Menus in Portuguese, English, French or Spanish. Sets up, reads and displays data on the screen. |
| LogChart II Software | Configurator software for Windows 8, 7, and XP. Menus in Portuguese, English, French or Spanish. Sets up, reads, and displays data on the screen. |
| Certification | CE |

5 OPERATION

To operate the device, you must install NXperience software or LogChart II software on a PC, as instructed in the SOFTWARE NXPERIENCE and SOFTWARE LOGCHART II chapters of this manual. The communication between device and PC must be performed using a USB connector.

The configuration that defines the operation mode of the device must be previously created in the NXperience or LogChart II software. Each parameter must be defined, and the consequences must be observed.

The device starts and stops registering as defined in the settings



6.1 Installation

NXperience software allows you to explore all the features of the device by communicating through its USB interface. It is also a complete tool to perform the analysis of the data logged by **TagTemp-USB**.

To install NXperience, just execute the NXperienceSetup.exe file, available from our website.

6.2 Running NXperience

When you open NXperience, the main window is displayed as shown in Fig 3



FIGURE 1 NXperience main Window

You should click Configure, and then click Read Device

6.2.1 General Parameters



FIGURE 2 General Parameters

INFORMATION

- Device Tag: Allows you to set a name for the digital channel. The field accepts up to 16 characters.
- Serial Number: Shows the device unique identification number.
- Model: Shows the device model name.
- Firmware Version: Shows the firmware version recorded in the device.
- Memory Capacity: Shows memory space still available for new logs.
- Logging Status: Informs if the device is registering or not.
- Battery Level: Shows the device's battery charge level.

CLOCK

- PC Date/Time: Shows the date and time of the computer.
- Date/Time: Shows the date and time of the device when it was read by NXperience.





6.2.2 Channels Parameters

| | Inputs | | Analog 1 | | | |
|-------------|------------|--------------|-------------|----------|----|--|
| _ | Analog 1 | Tag: | te | np | | |
| } | Analog 1 | Input Type: | Temperature | | • | |
| ¥° | Analog 2 🧭 | Unit | °C 🔹 | | | |
| ► % 2 | | Mode: | Instant | | • | |
| 4 | | Lower Alarm: | 0,0 Mi | -40,0 | °C | |
| 3 | | Upper Alarm: | 0,0 Ma | x.: 80,0 | •c | |
| | | Offset: | 0, | 1 | | |

TEMPERATURE

FIGURE 3 Channels Parameters

- Tag: Allows you to set a name, which will be used as channel identification during a download, for the channel. The field allows up to 16 characters.
- **Input Type:** Shows the type of sensor supported by the device.
- Unit: Allows you to define the unit °C or °F
- Mode: Allows you to define how the value measured will be registered. Options are:
 - Instant: The value logged will be exactly the value measured at each interval defined. Measurement is taken at the end of the defined interval. The minimum interval between measurements is 5 seconds.
 - **Maximum**: The value logged will be the maximum value found within ten consecutive measurements taken within a predefined interval. The minimum interval between measurements is 50 seconds
 - **Minimum**: The value logged will be the minimum value found within ten consecutive measurements taken within a predefined interval. The minimum interval between measurements is 50 seconds.
 - Medium: The registered value will be the average of ten measurements made on logging interval. The minimum time between each record is 50 seconds.
- Lower Alarm: Allows you to enable and configure a lower alarm setpoint (option available only if the log Start Mode is set to "Immediate Start" or "Date/Time").
- Minimum: Displays the minimum temperature supported by the device.
- Upper Alarm: Allows you to enable and configure a higher alarm setpoint (option available only if the log Start Mode is set to "Immediate Start" or "Date/Time").
- Maximum: Displays the maximum temperature supported by the device.
- Lower Setpoint: When the measured temperature is lower than the value set in this parameter, the device will start the logs (option available only if the log Start Mode is set to ""Setpoint").
 - Minimum: Displays the minimum temperature supported by the device.
- Upper Setpoint: When the measured temperature is higher than the value set in this parameter, the device will start the logs (option available only if the log Start Mode is set to "Setpoint").
 - Maximum: Displays the maximum temperature supported by the device.
- Offset: Allows you to make small adjustments to the channel readings. The configured offset will be added to all readings performed. An offset up to
 - ± 3 ° C (± 5.4 ° F) can be set for temperature setting. This allows to decrease (and even zero) the temperature measurement error

6.2.3 Configuration of LOG Register

LOG

- Log Interval: Allows you to select the frequency (in hours, minutes or seconds) with which a log must be made and logged in the memory.
- Estimated Time: Based on the value set in the Log Interval, shows the estimated time for the memory to fill.

MEMORY MODE

- Circular Memory: Logs are continuous, replacing old logs with new ones as the number of logs overpasses the memory capacity.
- Full Memory: Logs can be stored up to the full memory capacity is reached.

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START MODE

- Immediately: Start as soon as set up is ready and sent (OK) to the device.
- Date/Time: Logs start at predefined date and time.
- Setpoint: Logs start when a certain temperature value is reached. In this option, the setpoint value is set in the Channels field, in the Upper Setpoint and Lower Setpoint parameters (these options appear only when this log mode is selected)

6.2.4 Finalization

CONFIGURATION

- Send Configurations and Start Logs: Allows you to send the configuration to the device and start the logs.
- Save to File: Allows you to save the configuration to a file that can later be used.
- Memory Download: Allows you to download logs from memory.

LOG CONTROL

- Start/Resume: Allows you to start or resume logs that have been interrupted by the Pause command, without discarding logs that are
 in the device's memory, using the configured parameters.
- Pause: Allows you to stop logs, allowing them to be resumed in the future using the Start/Resume button.
- Stop: Allows you to permanently stop logs, so that the device will only re-register when it receives a new configuration

6.3 Downloding and Data Visualisation

Data downloaded are send from device to PC. Data can be downloaded any time: at the end of the logging process or while they are being acquired.

If data download takes place during the logging process, the process will not be interrupted, following the device configuration

6.3.1 Downloading Data

Data download is accomplished by clicking the button **Download Logs** in the **Download** screen from **NXperience**.

During data transference, a status bar indicates remaining data to be transferred. Data downloading time is proportional to the number of readings logged

6.3.2 Visualizing Data

At the end of values transfer, the data will be displayed in a graphical form

6.3.2.1 Chart Window

It is possible to select a region of the chart to zoom in. Zoom commands can be accessed through zoom icons from the task bar.

It is also possible to select an area from the chart to zoom in by clicking and dragging the mouse, thus creating a zoom region starting from the upper left corner on the chart area.

The graphic curves can be vertically dragged with a right-click and dragging the mouse up and down



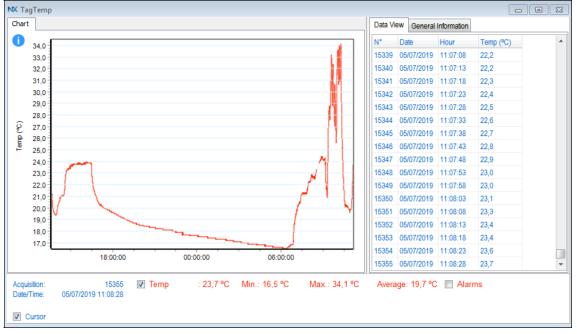


FIGURE 5 NXperience Chart Window

6.3.2.2 Data View Table

Values are presented in a tabular form, listing the measurement time and value.

6.3.2.3 General Information Table

This window shows some information about the device whose data were just read and its configuration

6.3.2.4 Other Features

Check the NXperience Operations Manual for more information on the other features offered by the software, such as exporting to other formats, filter logs, chart junction, etc.

| ata Vi | ew | General | Information | | |
|--------|----|----------|-------------|-----------|---|
| • | Da | ite | Hour | Temp (°C) | - |
| 5339 | 05 | /07/2019 | 11:07:08 | 22,2 | |
| 5340 | 05 | /07/2019 | 11:07:13 | 22,2 | |
| 5341 | 05 | /07/2019 | 11:07:18 | 22,3 | |
| 5342 | 05 | /07/2019 | 11:07:23 | 22,4 | |
| 5343 | 05 | /07/2019 | 11:07:28 | 22,5 | |
| 5344 | 05 | /07/2019 | 11:07:33 | 22,6 | |
| 5345 | 05 | /07/2019 | 11:07:38 | 22,7 | |
| 5346 | 05 | /07/2019 | 11:07:43 | 22,8 | |
| 5347 | 05 | /07/2019 | 11:07:48 | 22,9 | |
| 5348 | 05 | /07/2019 | 11:07:53 | 23,0 | |
| 5349 | 05 | /07/2019 | 11:07:58 | 23,0 | |
| 5350 | 05 | /07/2019 | 11:08:03 | 23,1 | |
| 5351 | 05 | /07/2019 | 11:08:08 | 23,3 | |
| 5352 | 05 | /07/2019 | 11:08:13 | 23,4 | |
| 5353 | 05 | /07/2019 | 11:08:18 | 23,4 | |
| 5354 | 05 | /07/2019 | 11:08:23 | 23,6 | |
| 5355 | 05 | /07/2019 | 11:08:28 | 23,7 | - |

| | r | | |
|----------------------|---------------------|--|--|
| Data Logger | | | |
| Model | TagTemp USB | | |
| Serial Number | 17645419 | | |
| Firmware Version | 1.03 | | |
| Memory Capacity | 32668 Samples | | |
| Temp (°C) | | | |
| Input | NTC 10K | | |
| Mode | Instantaneous | | |
| Offset | 0,0 | | |
| Lower Alarm | N/D | | |
| Upper Alarm | N/D | | |
| Download Information | | | |
| Title | TagTemp | | |
| Log Interval | 5 s | | |
| Total Logs | 32657 | | |
| Logs Start | Immediate | | |
| Memory Mode | Circular Memory | | |
| Logs Stop | Memory Mode | | |
| Time of Download | 08/07/2019 10:10:03 | | |
| First Log | 06/07/2019 12:48:14 | | |

FIGURE 7 Information table



7 LOGCHART II SOFTWARE

7.1 Installing LogChart II

The LogChart II, application is used to configure the parameters for data transfer. To install the LogChart II, run the file LC_II_Setup.exe available on our web site.

7.2 Running LogChart II

When you open LogChart II, the main window is displayed

| Logo | hart I | | | | | | | | | | | | |
|--------|--------|------|------|--------|------|--------|---------|-------|---|-----|----|----|---|
| ile Ec | dit V | liew | Data | Logger | Port | Window | Options | Help | | | | | |
| 0 | | 6 | 睹 | 8 | 53 | | 1 5% | ۹ ۹ 🕂 | 躍 | 004 | 90 | 例例 | ? |
| | | | | _ | | | | | | | | | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| ersion | | | | | | | | | | | | | |

FIGURE 8 LogChart II Main Window

Next, select the serial port that the communication interface will use in the Port menu

Check which serial is available (usually COM2 is free). The chosen port will be chosen by default next times the LogChart II is initiated. When a valid port is selected, the icons below are displayed



FIGURE 9 Icons enabled when the communication port selected is a valid port

7.3 Configuring the Device

For device configuration is necessary that the Logger is connected to the computer. See figure below.

After the serial port is selected, click on the button

The Parameters Configuration screen is displayed. In this screen, the user can define the device operation mode and also obtains general information about the device



| Title: TagTem | p | | |
|---|---|--|--|
| General Information | | | |
| Model: Serial Number: Data Logger Date/Hour: Actual Date/Hour: | TagTemp-USB 8888 22/01/2014 15:03:43 22/01/2014 15:03:44 | Firmware Version: Memory Capacity: Number of acquisitions: | 1.01 32663 loggings 231 loggings |
| Acquisitions Channels | | | |
| Period: Total Acquisition Tim | 00:00:10 e: Not defined | | |
| Start Logging | | Stop Logging | |
| Immediately | | C At full memory | |
| C Day: 25/08/2 Hour: 10:13:3 | 9 - | Wrap around | |
| | | | |

FIGURE 10 Configuration Window



Fields are:

- 1. **Title**: In this field, the user identifies the device by assigning it a name.
- General information: Area with information about the device, such as Model, Serial Number, Data Logger Date/Hour, Actual Date/Hour, Firmware Version, Memory Capacity and Number of acquisitions (stored in memory). In this field, time is constantly updated while the communication between device and computer is taking place.
- 3. Readings: Presents a series of parameters that define the acquisition process.
 - a. **Interval**: Defines the interval between readings: The minimum interval is (5) seconds and maximum is (18) hours. **Note**: When the type of value logged is minimum, maximum or average values, the minimum interval is 50 seconds.
 - b. Estimated time: In this parameter, the device informs the user how long it will take to occupy the full memory, in the conditions set up during configuration.
- 4. Start of Logging: Readings can be started in one of three different modes:
 - a. Immediately: Start as soon as set up is ready and sent (OK) to the device.
 - b. Date: Readings start at predefined date and time.
 - c. **Setpoint**: Acquisitions start when a temperature setpoint is reached. In this option, the setpoint value is defined in the Channels field, where the Alarm parameter is replaced by setpoint.
- 5. **Stop loggings**: Options for the end of readings are:
 - a. **Full Memory**: Readings can be stored up to the full memory capacity is reached.
 - b. **Don't stop (Wrap around):** Readings are continuous, replacing old logs with new ones as the number of readings overpasses the memory capacity
- 6. Channels: Displays other parameters related to temperature measurement

| Actual Date/Hour: Acquisitions Channels Channel 1 | TagTemp-USB 8888 02/03/2015 13:40:48 02/03/2015 13:40:47 | Firmware Version: Memory Capacity: Number of acquisitions: | 1.02 32663 loggings 41 loggings |
|--|---|--|---------------------------------------|
| Serial Number: Data Logger Date/Hour: Actual Date/Hour: Acquisitions Channels | 8888 02/03/2015 13:40:48 | Memory Capacity: | 32663 loggings |
| Data Logger Date/Hour: Actual Date/Hour: Acquisitions Channels | 02/03/2015 13:40:48 | | |
| Actual Date/Hour: Acquisitions Channels | | Number of acquisitions: | 41 loggings |
| Acquisitions Channels | | | |
| Tag: Input Temp NTC Offset: Value 0,0 Insta | 10k 🔄 🖭 | Alarm: ☞ Low ☞ High | [*C] 5.0 20.0 |

FIGURE 11 Channel Configuration

- Unit: Defines the unit of the value measured: °C or °F for channel 1 (temperature).
 - Value: It defines how the value measured will be registered. Options are:
 - Instantaneous: The value logged will be exactly the value measured at each interval defined. Measurement is taken at the end of the defined interval. The minimum interval between measurements is 5 seconds.
 - Average: The registered value will be the average of 10 measurements made on logging interval. The minimum time between each record is 50 seconds.
 - Maximum: The value logged will be the maximum value found within 10 consecutive measurements taken within a
 predefined interval. The minimum interval between measurements is 50 seconds.
 - **Minimum**: The value logged will be the minimum value found within 10 consecutive measurements taken within a predefined interval. The minimum interval between measurements is 50 seconds.
 - Offset: Makes possible to correct the value logged adding or subtracting a constant (known) error value
- Alarm: Defines limit values that, when exceeded, characterize an alarm condition. Alarm events are informed to the user through a flashing mode of the Alarm Indicator.

After filling all the fields, select OK and the settings will be sent to the device.



7.4 Stop / Pause / Resume Buttons

These buttons will be enabled once the device is fully configured.

| STOP | The Stop button allows stop logs permanently, so that the device will only register again after a new configuration by the user |
|------|---|
| | The Pause button action sends the appropriate command, depending on the current logging status: If the logs are In progress, pressing this button, it will be send a command to Pause the logs |
| | When the Logging has been "paused" via pressing the Pause Button, the latter will mutate to a " Resume " Button. Pressing this button will send a command to the device to resume the that were interrupted by the Pause command without erasing the previous registers of the device memory, using the same parameter settings previously configured After this the button mutates again to reflect the " Pause " function |

7.5 Downloading Data

Downloaded data are send from device to PC. Data can be downloaded any time at the end of the acquisition process or while they are being acquired. If data downloaded takes place during the acquisition process, the process will not be interrupted, following the device configuration.

Data download is accomplished by clicking the button Download Data 🧀 . During data transfer, a status bar indicates remaining data to be transferred. Data downloading time is proportional to the number of readings logged

7.6 Visualizing Data

At the end of values transfer, data can be displayed in a graphical form

7.6.1 Chart Window

It is possible to select a region of the chart to zoom in. Zoom commands can be accessed through the View menu or through zoom icons from the task bar.

It is also possible to select an area from the chart to zoom in by clicking and dragging the mouse, thus creating a zoom region starting from the upper left corner on the chart area.

The graphic curves can be vertically dragged with a right-click and dragging the mouse up and down

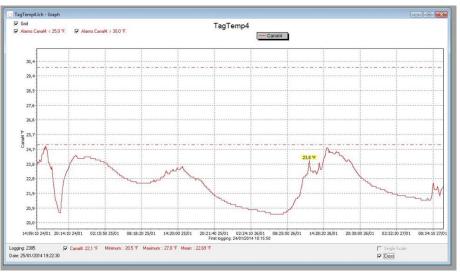


FIGURE 12 CHART WINDOW



7.6.2 **Data Table Window**

To display measurements in a tabular form, press the icon Table View Values are presented in a tabular form, listing the measurement time and value.

7.6.3 **General Information Window**

This window shows some information about the device whose data were just read and its configuration. The screen can be displayed by pressing the icon Parameter Viewing

| General Information | | | Ich - Loggings | | | |
|------------------------------|---|----------------|----------------|------------|-------------|----|
| Data Logger | | Loggings Table | | | | |
| Model: | TagTemp-USB | | 1 | | | 17 |
| Serial Number: | 8888 | Logging Nr. | Time | Date | Canal4 [*F] | _ |
| Firmware Version: | 1.01 | 03586 | 12:03:20 | 26/01/2014 | 23,8 | |
| Memory Capacity. | 32663 loggings | 03587 | 12:04:10 | 26/01/2014 | 23,8 | |
| Channel 1 [*C] | | | | | | |
| Input | NTC 10k | 03588 | 12:05:00 | 26/01/2014 | 23,8 | |
| Value: | Instantaneous Value | 03589 | 12:05:50 | 26/01/2014 | 23,8 | |
| Offset: | 0.0 | 03590 | 12:06:40 | 26/01/2014 | 23,8 | |
| Alarm Low: Alarm High: | Not defined | | | | 12000 | |
| Formula: | Not defined | 03591 | 12:07:30 | 26/01/2014 | 23,8 | |
| Logging Information | None | 03592 | 12:08:20 | 26/01/2014 | 23,8 | |
| Title: | TagTemp | 03593 | 12:09:10 | 26/01/2014 | 23,8 | 1 |
| Interval between readings: | 10 sec | 03594 | 12:10:00 | 26/01/2014 | 23.8 | |
| Total Number of Loggings: | 239 | | | | | |
| Start Logging: | Immediately | 03595 | 12:10:50 | 26/01/2014 | 23,7 | |
| Stop Logging: | Wrap around | 03596 | 12:11:40 | 26/01/2014 | 23,6 | |
| Download Time: | quarta-feira, 22 de janeiro de 2014 at 15:05:02 | 03597 | 12:12:30 | 26/01/2014 | 23.6 | |
| First logging: | quarta-feira, 22 de janeiro de 2014 at 14:25:15 | 03598 | 12:13:20 | 26/01/2014 | 23.6 | |
| Place here a comment to iden | th the downloaded date | 1113548 | 15.13.50 | 26/11/2014 | 21h | |

FIGURE 14 General Information Table

FIGURE 13 TABLE WINDOW VIEW

Exporting Data 7.7

Downloaded data can be exported to different file formats for further analysis. To export, access File/Export or click the icon 🖺 .

7.8 **Diagnostics**

- Battery Level: Indicates the level of battery voltage. When the battery reaches a low-level voltage, immediate replacement is •
 - recommended to ensure that the device will be continue to function properly. 72 Device Status: Summarizes the state of the device, including its memory, and the occurrence of alarm events to the time of the
- opening of the Diagnostic page

MOST FREQUENTLY ENCOUNTERED PROBLEMS

- The LED is not flashing: The LED flashing light is intentionally weak, and it can be difficult to see it in bright environments. Be sure it is really not flashing.
- Communication with the device fails:
 - Make sure the COM port is selected correctly and there is no other program using the same port during communication 0 attempts.
 - Make sure there is no physical obstacle blocking the infrared signal.
 - Make sure the cable is well connected to the PC port. 0
 - Make sure the port selected does not present any problem. \bigcirc



9 QUESTIONS?

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