User Guide
Fridge-tag® 3

Quick Info - User Guide

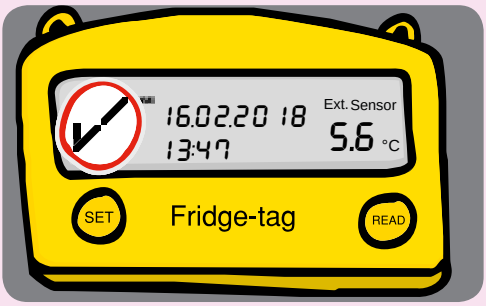
EN

Reading the display during measurement

Important symbols

OK symbol: ✓
Alarm symbol: ✕
Warning symbol: ⚠

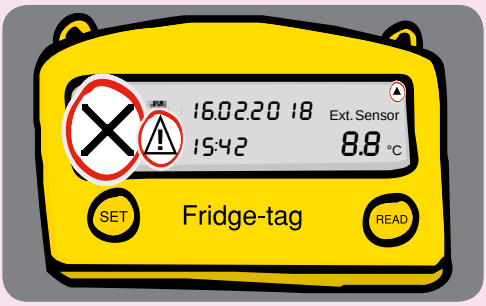
Indication of an OK display



In measurement mode, when no alarm has been triggered, the following information is indicated:

- The OK symbol ✓
- The current date and time: 16.02.20 18 / 13:47
- The current temperature: 5.6 °C

Indication of an Alarm display



In measurement mode, when an alarm has been triggered, the following information is indicated:

- The alarm symbol ✕
- An additional warning symbol ⚠
- The corresponding arrow ▲▼ (alarm indicator), upper/lower alarm
- The current date and time: 16.02.20 18 / 15:42
- The current temperature: 8.8 °C

Alarm display and confirmation options (factory preset)

Option 1- Alarm indication “all alarms”

With this option the alarms will be visible on the display with an ✕ for 30 days. By pressing the **READ** button, the ⚠ will be disabled for the corresponding alarms. The ✕ cannot be canceled nor reset.

- In this mode only one upper and one lower alarm will be triggered per day.
- The ✕ will be present on the display for 30 days.
- The ⚠ can be deactivated by confirming all existing alarms in the readout mode.
- The alarm buzzer stops when the alarm is confirmed within the set alarm limits. Otherwise the buzzer pauses for approx. 1 hour and starts again for up to 168 hours (7 days).

Option 2 - Alarm indication “unconfirmed alarms”

The alarms are shown with the ✕ until all alarms (in the 30-day history) have been confirmed as solved by pressing the **READ** button. Afterwards the display will show the ✓ until a new alarm is triggered.

Confirmation: Temperature is within the set alarm limits. Press the **READ** button and the ✕ and the ⚠ will immediately disappear and the optional buzzer stops. A new alarm will be triggered as soon as the set alarm limits are exceeded again.

Confirmation: Temperature is outside the set alarm limits. If the **READ** button is pressed still during a temperature violation the buzzer will be muted for approx. 1 hour. The ✕ and the ⚠ will stay on the display for the corresponding alarm. If the temperature still exceeds the limit after 1 hour, the buzzer will restart beeping.

Confirming an alarm

An alarm **must be confirmed** on the device directly by the user. Confirming an alarm can only be made if the device gets back within the set temperature limits.

The alarm cannot be confirmed with a SMS command, only direct on the device.

Not confirmed alarms

If a an alarm event is **not confirmed** on the device and the device gets back within the set temperature limits, an alarm will be retriggered when the limit is violated again.

This ensures that a forgotten confirmation of an alarm event on the device itself, does not result in a missed following alarm.

Remote Alarm Notifications

In case an upper or lower alarm is triggered, the pre-defined recipient(s) will be notified as follows:

- Standalone Version: SMS Notification
- Cloud Version: Make sure that the system is set up to your needs (e.g. in SmartView SMS and Email Notifications are available).

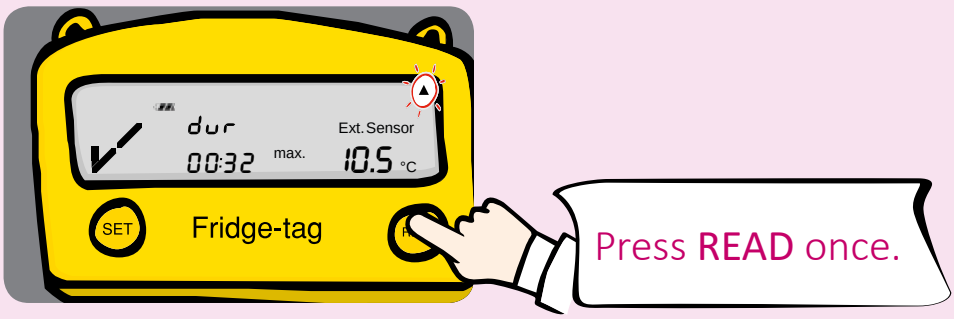
Audio alarm (factory preset)

In case an upper or lower alarm is triggered, 3 audible alarm signals are emitted immediately. Thereafter:

- Every minute 1 alarm signal for maximally 168 hours (7 days).
- After 168 hours (7 days) the buzzer will stop.
- If an alarm event is confirmed (**READ** is pressed) while the limits are still exceeded the buzzer pauses for approx. 1 hour and then restarts beeping every 3 minutes.
- Confirmation within the alarm limits will stop the buzzer.

Reading the history
Option 1: Read out day-per-day directly on the device (30 day history)

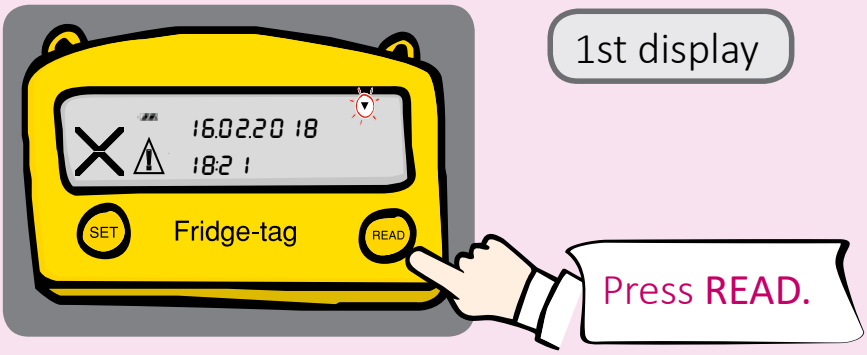
Example of an OK display



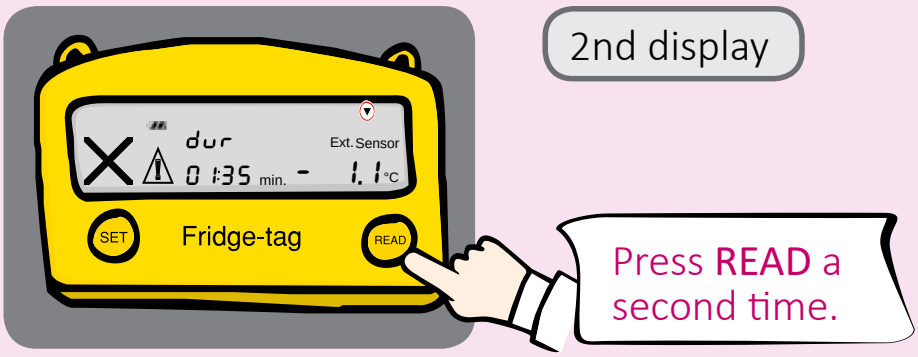
The following information is indicated on the display:

- The **OK** symbol ✓
- The corresponding flashing arrow ▲ (example: **high** arrow “today”)
- The highest recorded temperature of that day: 10.5 °C
- The time **duration** out of the preset temperature upper limit: 00:32 **(hrs:min)**

Example of an alarm display



The following information is indicated on the screen:
- The alarm- ✕ and the warning symbol ⚠
- The corresponding flashing arrow ▼ (alarm indicator) (example: Temperature out of **lower** alarm limit)
- The date of alarm: 16.02.20 18
- The time of alarm: 18:21



The following additional information is indicated:
- **Lowest** recorded temperature of that day: - 1.1°C
- The **duration** or the exceedance of the preset lower temperature limit: 01:35 **(hrs:min)**

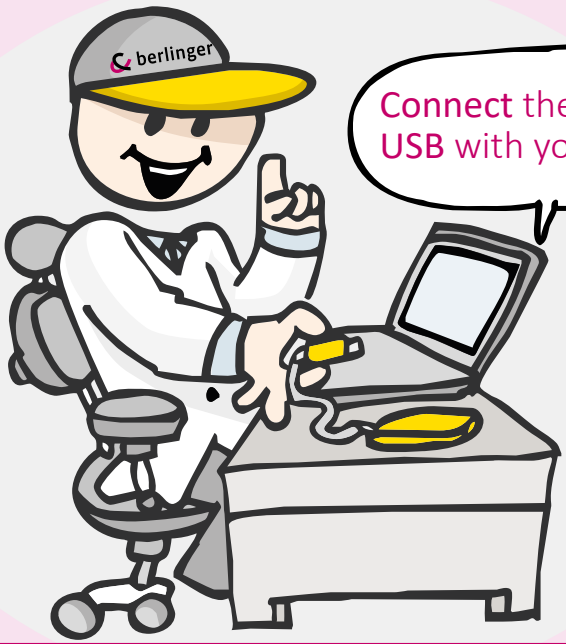
Note: Continue repetitively pressing the **READ** button to read out the details of the past 30 days.

Option 2: Read only alarms directly Alarm-Super-Jump function (30-day history)

Press and hold **READ** for **3 seconds**.

Note: Press and hold the **READ** button again for at least **3 seconds** and the next alarm event will appear on the screen.

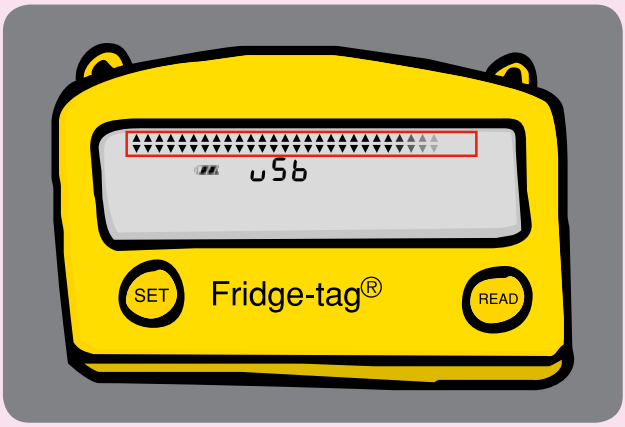
Option 3: Read out data with a computer



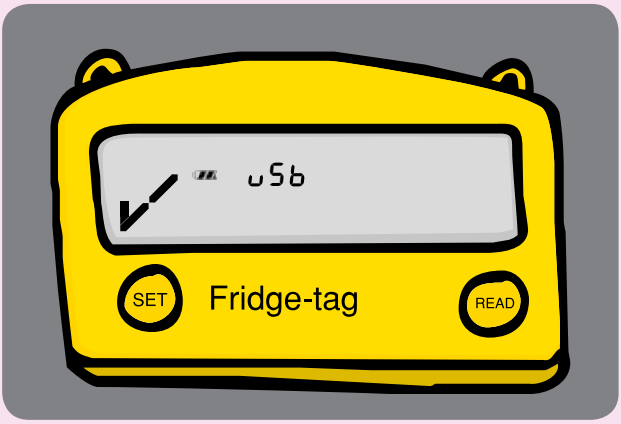
Connect the device **via USB** with your computer.

Note: Disconnect the external sensor from the device first.

The Fridge-tag will now generate a **PDF and ASCII** report of max. 28 or 56 days (factory setting). This process may take up to 2 minutes.



The continuously appearing arrows in the upper display area indicate that the device is processing.

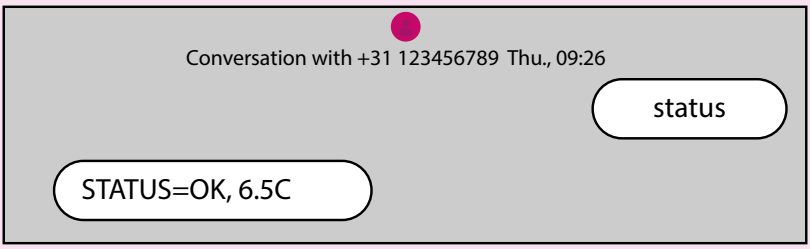


This process must not be interrupted until the OK symbol ✓ appears on the display. This indicates that the creation of the ASCII and PDF files has been successfully completed. Open the disk drive named “FT3” and copy/open the files.

Option 4:
SMS temperature reading

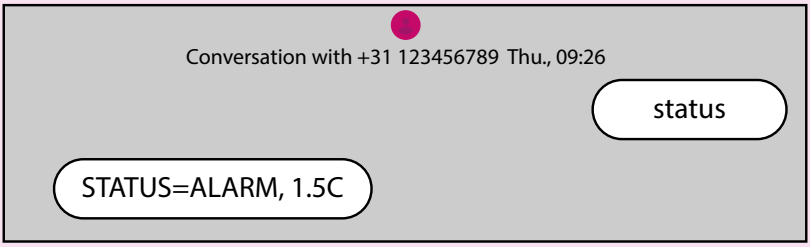
Status temperature query: send an SMS with the content **„status“** to mobile number of the device. The device returns a SMS with the current **STATUS** of the device.

Status query OK



Fridge-tag 3 is in the OK state, the current temperature is 6.5°C and within the set alarm limits.

Status query alarm



Fridge-tag 3 is in the alarm state, the current temperature is 1.5°C and below the set alarm limits..

Note: Please confirm the alarm directly on the device. SMS confirmation is not possible.

Cloud Version

Please log in to your Data Management Software (Berlinger SmartView, etc.) to manage the data.

External sensor: Please connect the device with the external sensor again. After 10 minutes (factory standard) without a connection between the device and the external sensor the following display appears and:

- The buzzer will beep twice at intervals of three minutes for a maximum of 168 hours (7 days).
- The whole display starts blinking.
- Any confirmation will stop the display from blinking.
- The buzzer only stops if the connection error is corrected. If the error still exists, the buzzer continuously beeps at a three-minute interval for 168 hours (7 days).

DR COOL

& berlinger

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For more information download the whole user manual from
www.berlinger.com/user-manuals.

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