TEMPINSPECT USB USER GUIDE

Single-use and Multiuse

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▶ GETTING STARTED WITH THE **TEMPINSPECT USB**

The **Tempinspect USB** is comprised of 4 main elements, highlighted here:
1. A **multifunction** button
2. Indicator LEDs (red and green LEDs)
3. USB connector (under plastic cap)
4. Instructional sticker with barcode

Use the **Tempinspect USB** in 6 steps, as covered in this guide:
1. Configure the desired **Temperature Monitoring Range**
2. Configure the desired measurement **Sampling Time**
3. Start the **Tempinspect USB**
4. Place the **Tempinspect USB** with the goods you wish to monitor
5. At the end of your shipment, stop the **Tempinspect USB**
6. Connect the **Tempinspect USB** to the computer to view the measurement reports

Configuration is done via the **multifunction** button. Steps 1, 2 and 3 can also be rapidly configured with our **Tempinspect Configuration Tool** software, available for download – see back side.

🌡️ CONFIGURING THE **TEMPERATURE MONITORING RANGE**

To select one of the Temperature Monitoring Ranges listed** below, press the **multifunction** button as follows:

Range	Multifunction button	Confirmation
2^oC to 8^oC	2 clicks, then hold 5 seconds	2 red blinks
-1^oC to -10^oC	3 clicks, then hold 5 seconds	3 red blinks
-2^oC to -8^oC	4 clicks, then hold 5 seconds	4 red blinks
2^oC to 25^oC	5 clicks, then hold 5 seconds	5 red blinks
15^oC to 25^oC	6 clicks, then hold 5 seconds	6 red blinks
15^oC to 30^oC	7 clicks, then hold 5 seconds	7 red blinks
-30^oC to -15^oC	8 clicks, then hold 5 seconds	8 red blinks

🕐 CONFIGURING THE **SAMPLE TIME**

To select one of the sampling times below, press the **multifunction** button as listed**:

Interval	Multifunction button	Confirmation
1 minute	2 clicks	2 green blinks
5 minutes	3 clicks	3 green blinks
10 minutes	4 clicks	4 green blinks
15 minutes	5 clicks	5 green blinks
30 minutes	6 clicks	6 green blinks
1 hour	7 clicks	7 green blinks
2 hours	8 clicks	8 green blinks
3 hours	9 clicks	9 green blinks
4 hours	10 clicks	10 green blinks

By default, the **Start Delay** (interval between START and first measurement) is set to 10 minutes**.

🔍 CHECKING **STATUS**

During operation, the device may be in tree different states. Click the **multifunction** button **once** to check:

LED blinks	Current state
One green, one red	**IDLE state:** device can be configured via **multifunction** button or via USB (**Tempinspect Configuration Tool**).
Four green	**RECORDING state*:** device is recording data.
Two red, two green.	**FINISHED state*:** device has been stopped. Connect it to the computer to view the generated reports.

*After displaying the LED blinks associated to the state, the device will imediately show the **Visual Alarm** (see back side).

▶ STARTING/STOPPING

When in **IDLE** state, START the device to go into **RECORDING** mode. Then, STOP the device to go into **FINISHED** state. To START/STOP the device, press the **multifunction** button as shown below:

Multifunction button (START/STOP)	Confirmation
Hold 5 seconds, release, quickly hold another 5 seconds	16 alternating green/red LED blinks
12 clicks *(alternative command)*	

🔄 RESETTING

For Multiuse version only: to erase all the contents in the device's memory and go to the **IDLE** state, execute:

Multifunction button (RESET)	Confirmation
9 clicks, then hold 5 seconds	Red+green LEDs on for 5 seconds, then 4 green blinks

Temperature Monitoring Range, **Sample Time**, **Start Delay** and other parameters can be customized via software. See back side.

QUICK MANUAL

Input	Action	Confirmation
(1x)	🔍 Status: IDLE	🟢🔴
	Status: RECORDING	🟢🟢🟢🟢
	Status: FINISHED	🔴🔴🔴
(5s) (5s)	▶️ START/STOP	(🟢🔴) *8x*
(12x) *Alternative command*	▶️ START/STOP	(🟢🔴) *8x*
(2x)	🕐 1 min	🟢 *2x*
(3x)	🕐 5 min	🟢 *3x*
(4x)	🕐 10 min	🟢 *4x*
(5x)	🕐 15 min *(Default)*	🟢 *5x*
(6x)	🕐 30 min	🟢 *6x*
(7x)	🕐 1 h	🟢 *7x*
(8x)	🕐 2 h	🟢 *8x*
(9x)	🕐 3 h	🟢 *9x*
(10x)	🕐 4 h	🟢 *10x*
(2x) (5s)	🌡️ 2°C to 8°C *(Default)*	🔴 *2x*
(3x) (5s)	🌡️ -1°C to -10°C	🔴 *3x*
(4x) (5s)	🌡️ -2°C to -8°C	🔴 *4x*
(5x) (5s)	🌡️ 2°C to 25°C	🔴 *5x*
(6x) (5s)	🌡️ 15°C to 25°C	🔴 *6x*
(7x) (5s)	🌡️ 15°C to 30°C	🔴 *7x*
(8x) (5s)	🌡️ -15°C to -30°C	🔴 *8x*
(9x) (5s)	🔄 Reset (only for **Multi-use** version)	🟠 (5s) 🟢 *4x*
	Option locked or disabled on the device	🔴 *4x (fast)*
Attached to USB	Device is password protected	🔴 *Blinking*

🔴 VISUAL ALARM

To quickly know if the **Tempinspect USB** was exposed to temperatures outside the configured range, click the **multifunction** button **once** while in the **RECORDING** or **FINISHED** state.

The device will first inform its STATUS (see the *CHECKING STATUS* section), then indicate, via the red LED, the duration of the most recent (if any) interval with out-of-spec temperatures:

LED blinks	Meaning
One red	One measurement interval (i.e *sampling time*) **ABOVE** the temperature limit.
Two red, fast	One measurement interval (i.e *sampling time*) **BELOW** the temperature limit.

The device will show up to 10 contiguous intervals taken outside the configured range. For more details, check the generated PDF/CSV reports.

°CCV TEMPINSPECT CONFIGURATION TOOL

Through our software tool you can access more features and freely customize various parameters:
- Custom Temperature Monitoring Range
- Custom Sampling Time
- Custom Start Delay
- Input additonal report information
- Configure the functionality of the **multifunction** button (provides increased safety)
- Enable password protection
- Configure automatic START and STOP dates
- Quickly save/load/write device configurations
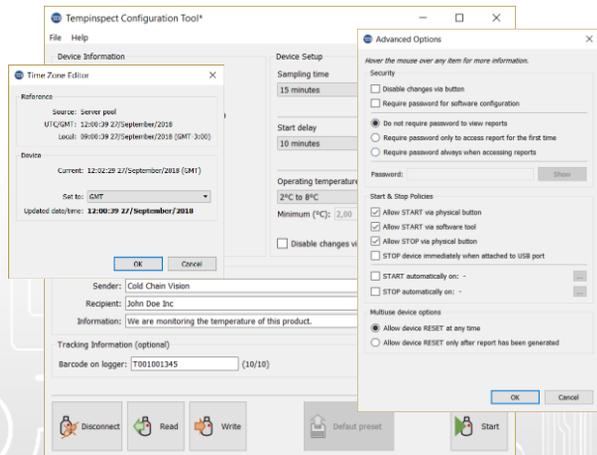
Download the **Tempinspect Configuration Tool**:
www.coldchainvision.com/software