

TrekTag USB Pro

Start Up Guide



Introduction:

TrekTag USB Pro is a fully programmable temperature monitoring device, allowing users to dictate what temperature ranges are needed to maintain and when an alarm should be recorded. The device can measure from -20C to 60C and may to be set up using Celsius or Fahrenheit. There are different reading parameters, programmable delay for readings to start. This unit is perfect for a variety of applications across a customer's footprint.

To Start – Marke sur that the programming software has been downloaded from the Graphic Controls website at <u>www.dr.graphiccontrols.com/trektag</u>.

Next – Make sure you have a TrekTag USB Pro unit ready to program.

Setting up a TrekTag Pro USB device:

- 1. **<u>DO NOT "Start" the TrekTag USB Pro device</u>**
- 2. Turn on the computer with the programming software opened and ready for use
- 3. Connect the device to the USB drive
 - a. The LCD window will flash "USB" while the device searches for a connection to the computer



b. On the computer, the software will look like this:

💻 🚯 💥 🕶	• 🗳 🏟 🚯 😧 🔱	Run as administrator
Device Report Parameter Databas	e Export Settings About Help Exit	÷
Device Information	Data Summary Record Summary First Point Stop Time Trip Length Temperature & Humildity Max Min	Report Information Start Delay Log Interval Start Mode Stop Mode Description
Unknown	_ Average MKT	
Device ID Firmware Status		

- c. NOTE: the RED "X" will denote connection has not been made; it may take a few seconds
- d. NOTE: no information regarding the device is loaded into the parameters; all blank
- 4. Once the device has made a successful connection, the device will show steady "USB" in the LCD screen of the TrekTag Pro USB



5. The software screen will change and go from a RED "X" to a GREEN " \checkmark "

Device	Report	Parameter	Database	Export Setting:	About Help	÷	Run as administrator
Device Infor	mation			Data Summary Record Summary		Report Information	
	بر ح	S	7	East Point Stop Time Number of Points Trip Length Temperature & Hur Max Min	03/10/2024 15:18:48 04/05/2024 06:38:48 3711 25d 18h 20m 0s nidity 29.3°C -% 7.7°C -%	Start Delay Log Interval Start Mode Stop Mode Description Temperature Record	0h 30m 0s 0h 10m 0s Button Start USB Stop
femp Logge	er			Average	20.5°C% 20.8°C		
Device ID Firmware Status	TZ230500034 1.04 Connected	44					

6. The populated information is specific to the device now connected to the computer

Set up the background information on the logger:



7. Click on the Settings icon settings to set up information specific to the device and to the user

Device	Report	Parameter	Database	Export	Settings	About	Help	U	Run	as administrator
User Preferer Time Forma Language Tips:Changi Mail Setting Email Password SMTP SSL	Ireport Ince Ince English Irektagusbp Irektagusbp Irektagusbp Irektagusbp Irektagusbp Irektagusbp Irektagusbp	ge requires rest	ols.c	karel	yrt Setting IF Report go Jpload File Is:Please use F I. The recommendation sbSite	PNG, JPG forma ended size is 17	at pictures of no 70 * 56 pixels.	p more than	A D	tion(FDA) issued ons Part 11 in 1997 203 to refine the citronic records, ited to electronic andwritten to any record andwritten at is created, ransmitted using media. mented by stitutes and 1, it has spread s generally harmaceuticals, systems exported FR Part 11 exporter by the ates.
									Appl	y Default

- a. Select Time format for report output
- b. Select Language for report output

Mail Setting:

c. Set up email address and password for reports and alarm messages

Report Setting:

- d. Upload a company logo to provide a professional appearance to reports and prevent potential false report writing
- e. Add company website to report outs

FDA CFR Part II Module:

f. Choos e the option that works best

Programming your TrekTag USB Pro device:



8. Click on the Parameter icon Parameter to open the different programmable features

Device	Report Parameter	Database	Export Settings	() About	(?) Help	U	-		Run as ad	ministrator
Device Informati Device ID Device Time System Time Time Zone Temperature So LCD Alw Close Temperature Ca	Parameter On TZ2305000344 04/05/2024 13:46:59 04/05/2024 13:49:51 UTC IUTC : 00 ale • °C or sBright ed After 01 00 : stitutation 0	Database	Export Settings Log Interval Start Delay Stop Mode Time Format Graphic Display Start Mode Timed Start Time 20	About 00 ∨ H 00 ∨ H 00 ∨ H ✓ Button Stop MM/DD/YY H Combine ● Button 18 ∨ Y 00 ∨ H 00 ∨ H	Help Help M 00 × M 00 × P H:MM:SS Temp & RH Ci Timed M 01 × D × M 00 ×	Exit S S V D S	Alarm Temperature MIN Temperature MAX More settings for	2 8 or temperat	[-30,70]°C ure alarm	
Description Temperature Reco Template files	order	~ Op	en file Save file	Det	iete			Read	Save	Default

9. Description of programmable parameters:

Device Information:

- a. Set the time zone (NOTE: Adjust UTC +/- until the device matches the time on the computer)
- b. Program for Celsius or Fahrenheit
- c. Program the "Awake" time of the LCD screen always on or off after a set time, in minutes or seconds

Logging Information:

- d. Program the Log Interval how frequently will the device take a reading
- e. Program Start Delay should the device start readings immediately or set a delay for the device to start taking readings

f. Set STOP MODE

- i. Stop on button press (when checked)
- ii. Stop on insertion of the USB device into the computer
- g. Format the time important for the reports that are generated
- h. Program what is to be displayed Temperature & Humidity

i. Set START MODE

- i. On Start Button press (when checked)
- ii. At a timed interval
 - 1. Set time interval desired

Temperature range setting:

- j. Set minimum temperature
- k. Set maximum temperature
- I. Readings outside these min / max levels will be recorded in red on the reports as well as show an alarm state indicating outside of the set ranges
- m. Click "Read"
- n. Click "Save"
- 10. Now the TrekTag USB Pro is programmed and ready for use. It will start with a press of the START button or start when programmed to start.

Report Generation:



11. Select the Report icon Report to view the information stored on the TrekTag USB Pro device

There will be $\underline{3}$ different options presented for viewing the information:

Temperature and Humidity Curve – with options to have information combined (shown) or separate graphs:



Data Table – which lists the reading in the order taken to identify possible problem areas quickly:



Statistics – summarizes how the device has been set up:

		21		63	444		0	11		Run as administrato
-		10						U		
Device	Report	Parameter	Datatase	Export	Settings	About	Нер	Ext	-	
emperature	& Humidity C	Curve Data Ta	ble Statistics							
					Device Type	TZ-Temp L	ogger			
					Device ID	TZ230500	0344			
					Firmware	1.04				
					Start Delay	30 M				
					Log Interval	600 5				
					Start Mode	Butten Sta	rt			
					Stop Mode	USB Stop				
					Description	Temperatu	re Resorder			
					First Point	03/10/202	15:18:48			
					Stop Time	04/05/202	09:33:05			
				Nur	nber of Points	3711				
					Trin Length	251 100 20	un de			
					Max	29.3109				
					Min	7.7% -%				
					Average	20.5°C9				
					MKT	20.8°C				
				Alarn	n Conditior	Alarm Type	Alen	m Delay		

Report Output Options – different software is available depending on what users are familiar with or have the capability to use:

nistrator	Run as admin	Ŧ	U	(?) Help	About	Settings	Export	Database	Parameter	Report	Device
											Export
		Print	Email	Private	TXT TXT	CSV CSV	PDF PDF				
											Import
				ate	Pri						
		Print	Email	Private	TXT TXT	CSV	PDF PDF				Import

Track Activity:

12. Use the Dashboard icon <u>Database</u> to see a historical view of all loggers associated with the TrekTag USB Pro and the monitoring software

Query Conditions Device ID	NO. Device	Device Type 344-000001 TZ-Temp Logg	Points	May	1	_1.*		
			er 3711	29.3°⊂ %	Min 7.7°C %	Start time 03/10/2024 15:18:48	Stop time 04/05/2024 09:38:48	Status Alarm
Start Time 2019-01-01 00:00.00 ♀ ▼ Stop Time 2024-04-06 16:03:19 ♀ ▼ Recent ● Custom Selection 1 Month 3 Months 6 Months								
Alarm Search Backup & Bestore			×	Current 1 Page	a 🕨 📕 Tota	I Page 1 Page	son View detai	lis Delete

- a. Search list by Device ID
- b. Review list and select
- c. Choose the "Compare" button to compare shipments
- d. Select reports and you can use the "Delete" button to trim unwanted reports

Now you are set to use the TrekTag USB Pro device. Use the device in a variety of applications and ranges to make sure valuable shipments make it to their destination according to the transit specifications.

Product Introduction:

TrekTag USB Pro is a disposable temperature data logger with LCD screen specially designed for cold chain. This product is mainly used to monitor and record the temperature data of food, medicine, chemical products and other products in the process of storage and transportation. It is widely used in all aspects of warehouse storage and logistics cold chain, such as refrigerated containers, refrigerated vehicles, refrigerated distribution boxes, refrigerated containers, cold storage, laboratory, etc. Data reading and parameter configuration can be realized through USB interface (which can be configured before use). After inserting the USB logger into a computer, the report can be generated conveniently and automatically. There is no driver needed to be installed when inserting into the computer.

Technical Parameters:

Project	Parameter	
Measuring Range	$-30^{\circ}C \sim +60^{\circ}C$	
Resolution	0.1°C	
Accuracy	±0.5°C (-20°C~+40°C), ±1°C (others)	
Data Capacity	32000	
Usage	Disposable	
Start Mode	Button Start or Timed Start	
Recording Interval	User configurable (10 seconds to 18 hours)	
Start Delay	User configurable (0-254 minutes)	
Alarm Range	User configurable	
Alarm Type	Single type, cumulative type	
Alarm Delay	User configurable (0-254 minutes)	
Form of Report	PDF and CSV format data report	
Interface	USB2.0 Interface	
Protection Level	IP67	
Product Size	95.5mm*49mm*7.8mm	
Product Weight	25g	

Factory Preset configuration:

Project	Parameter
Temperature Unit	°C
Temperature Alarm Limit	< 2 °C or > 8 °C
Alarm Delay	10 minutes
Recording Interval	10 minutes
Start Delay	30 minutes
Equipment Time	UTC time
LCD Display Time	1 minute
Start Mode	Press button to start

Operating Instructions:

Once you have programmed your TrekTag USB Pro to the alarm configuration you would like, you are ready to start recording.

Start recording - press and hold the start button for more than 3 seconds until the screen "▶" or the "wait" symbol is on, indicating that the device has successfully started recording.

Marking - when the device is in the recording state, press and gold the start button for more than 3 seconds, and the screen will jump to "mark" interface, mark number plus one, indicating successful marking.

Stop recording - press and hold the stop button for more than 3 seconds until the "■" symbol on the screen lights up, indicating that the device has stopped recording.



LCD Screen Descriptions:

1	√Normal	6	Battery Power
	×Alarm		
2	In recording status	8	Interface indication
	Stop recording status		
3And 7	Alarm area:	9	Temperature value
	↑ H1 H2 (high temperature alarm)		
	↓ L1 L2 (low temperature alarm)		
4	Start delay status	10	Temperature unit
5	Button Stop Mode invalid		

Once in logging or recording mode, you may scroll through the information currently logged by pressing the start button with short presses.

Real time temperature interface \rightarrow Data number interface \rightarrow Mark number interface \rightarrow Temperature maximum interface \rightarrow Temperature minimum interface.



- ① Real time temperature interface
 - (initialization state)



2 Log interface (record state)





③ Mark number interface

(record state)

(4) Temperature max interface (record state)



(5) Temperature minimum interface (record state)

Battery Status:

Power Display	Capacity
æ	40%~100%
Œ	15%~40%
G	5%~15%
C	<5%

NOTE: The battery indication status has a broad range of power as an indicative amount of power remaining and is not guaranteed to be 100% accurate.

Computer Operation:

Insert the device into the computer and wait until the PDF and CSV reports are generated. The computer will display the USB drive of the device and then click to view the report.

Thank you for using TrekTag USB Pro!

Your Graphic Controls TrekTag team