

I. INTRODUCTION

ClimaTech CT-7095L temperature humidity data logger, developed by Naav Solution Inc. is featured with LCD display, elegant appearance, low energy consumption, and excellent consistency. All the sensors are manufactured in Switzerland, which assures quality and stability.

ClimaTech CT-7095L logger records and displays temperature and humidity conditions in manufacturing, processing, and storage environments where reliable monitoring and documentation of specific temp/RH conditions are critical.

1. FEATURES

- Temperature Ranges: - 20 °C ~ 70 °C
- Temperature Accuracy: +/- 0.3 °C
- Humidity Ranges: 0 ~ 100 %RH
- Humidity Accuracy: +/- 3 %RH
- Size(L x H x D): 57mm x 92mm x 20mm.
- LCD Screen Size: 37mm x 17mm.
- 2xAAA Battery can be working 6 months with 25 °C environment.
- Capacity of Record: 43000

2. APPEARANCE



1. LCD Screen
2. LOG/STD Button
3. MAX/MIN Button
4. Sensor
5. Hanger
6. Label
7. Battery Cover
8. USB Port

3. SCREEN



1. Temperature & Humidity Value
2. Display the Maximum Values in the current recording section
3. Display the Minimal Values in the current recording section
4. Battery Symbol: Please replace the battery when show only one bar.
5. LOG Symbol
6. USB Communication Symbol
7. Display years, month/day, hour/ minute recurrently
8. Humidity Unit %
9. Fahrenheit Unit °F
10. Centigrade Unit °C

4. BUTTON FUNCTION INSTRUCTIONS

MAX/MIN: Display the Maximum and Minimal Values in the current recording. If the logger stop recording and restart recording, the Maximum and Minimal Values will recalculate.

LOG/STD: When device is off, press 5 secs to enter standby mode and press 3 secs to enter recording mode. When device is recording, press 5 secs to turn the device off. When connecting the logger to the computer, the logger goes into standby mode. When Unplug logger from computer, press 3 secs to enter recording mode.

II. INSTALLATION AND INSTRUCTION

1. SOFTWARE

The Requirement of the Computer Hardware - OS: Windows XP/Vista/8/10 (32/64bit); CPU: 1.6GHz; Physical Memory: 512MB; Hard-drive Space: 4 GB; USB Port: 01.

LogPro 1.4.0 drive software contained in CT-7095L folder. Copy the entire CT-7095L folder to the computer hard disk and open the LogPro file.

2. HOW TO READ AND CONFIGURE THE LOGGER

2.1. Turn On/Off- Logger & Start/Stop Logging Under Button to Start Mode.

Turn On the Logger: Push "LOG/STD" Button for 5 secs then LCD display is on

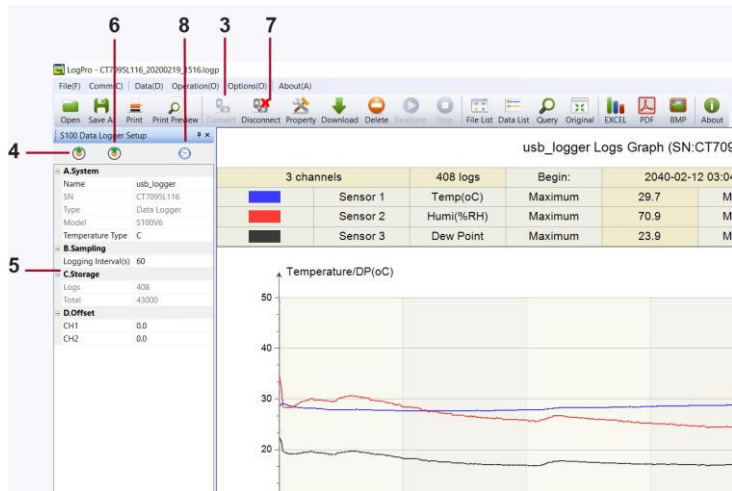
Start Logging: When the Logger is on and on stand-by(LCD does not have "LOG" logo display), press LOG/STD" for 3 secs, now the logger start logging and storing data(LCD has "LOG" logo display).

Turn Off the Logger: Push the“LOG/STD” Button for 5 secs then LCD display is off.

LOG Full: The device won't record data while the memory is full, that you have to download the data and delete it by Logpro software, then device can record again.

CT-7095L LCD Display: Display temperature and humidity recurrently, each display time is 5 secs.

2.2. Logger's Settings



LogPro Software Interface

1. Turn on and Insert the data logger to the computer
2. Start LogPro software on the PC
3. From the toolbar select Connect
4. Load & Read the logger's current settings
5. Configure the new settings
6. Sync the settings & time. (The PC time will be synchronized to the logger as well.)
7. From the toolbar select disconnect. Unplug the logger from the computer, and then the logger is in Standby mode.
8. Sync the Computer's Data & Time to the Data Logger.

2.3. Setting Parameters Description

Setting Parameter	Text	Description
Name	English letters or numbers	Name of the logger
SN	10 characters	Must be the same as the one in the label of logger
Temperature	C or F	Select the Celsius and Fahrenheit readings
Logging Interval	Number from 2 to 86400	Logging frequency (secs)
Logs	Number from 0 to 43000	The count of records in the memory
Total	Number 43000	The total capacity of the logger's storage
Offset	Input positive number to decrease the value. Input negative number to increase the value.	Calibration mode: For example, pls fill in 1.5 if the displayed temperature is higher than the actual temperature of 1.5 °C. Fill in -1.5 if the displayed temperature is lower than the actual temperature of 1.5 °C. If you need to adjust the humidity, do the same, the number field is -100 ~ 100

2.4. Download the Logging Data

1. Insert the data logger to the computer
2. Start LogPro software on the PC
3. From the toolbar select Connect
4. From the toolbar select Download

Once the data is downloaded from the logger to the PC, the log graph will be displayed. Press and hold the left mouse button to drag a box, when the left mouse button is released, the graph will be redraw with the data in the selected rectangle area. Click right button, then the graph will be redrawing with all the data in the logs file.

2.5. View Data Sheet.

Click “Data List” button on the toolbar, and then the data listing window is shown below. Channel 3 unit is Dew Point. The Value is calculated from temperature & humidity.

The data pane lists the data samples collected by the logging device. The column width of each column is adjustable by using the left mouse button and dragging the column the desired width.

2.6. Exporting Logs from LogPro

Select the corresponding buttons on the Toolbar to export data in Excel, PDF or BMP file formats.

2.7. Delete Records in the Logger

From the toolbar select Delete.

2.8. Check the Save File in File list

1. From the toolbar select File List.
2. Click to open the file.

Double click left mouse button, then the selected file is opened, you can rename or delete or log file. The save file is saved in the LogPro software's installation path in the PC's hard driver.