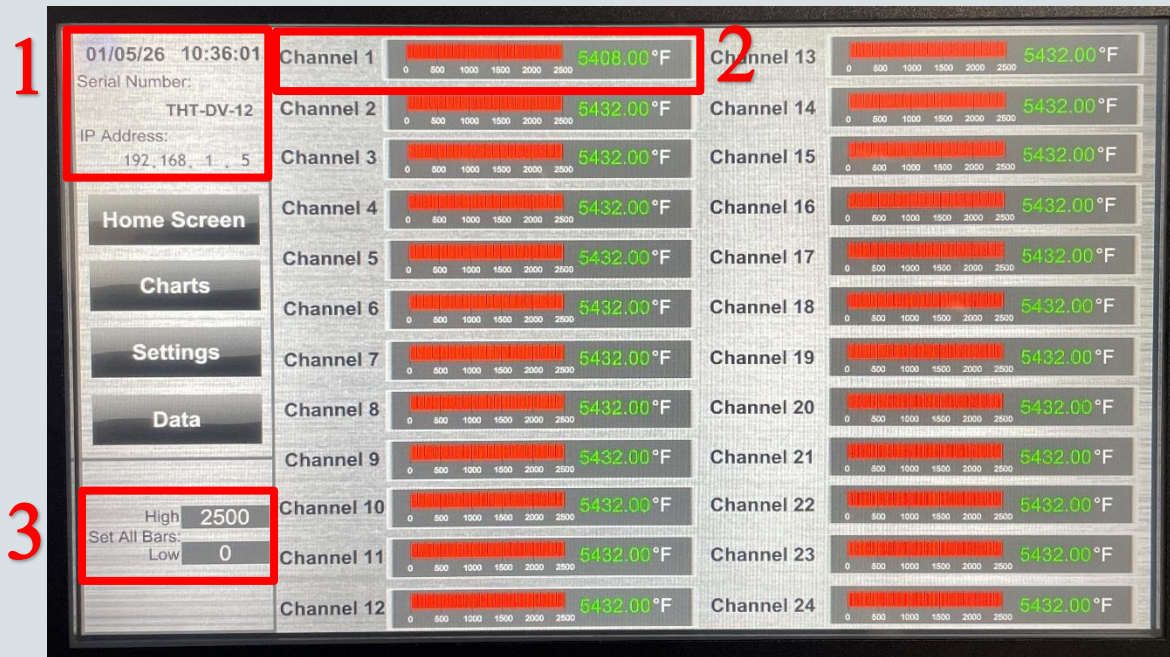




DATAVIEW TOUCHSCREEN USER MANUAL

Home Screen

The Home Screen will display all the channel temperatures and information in one place.



- 1: Device Information – This area will display the date and time, the serial number of the unit and the IP address of the unit.
- 2: Channel Display – Here you will be able to see the temperature of each channel. You can click on the “Channel 1” text to open a small chart of the temperature history for that channel only. You can also click on the bar chart to set individual upper limits for each channel.
- 3: Bar Settings – Here you can adjust the scale of all the bar charts displayed on the page.

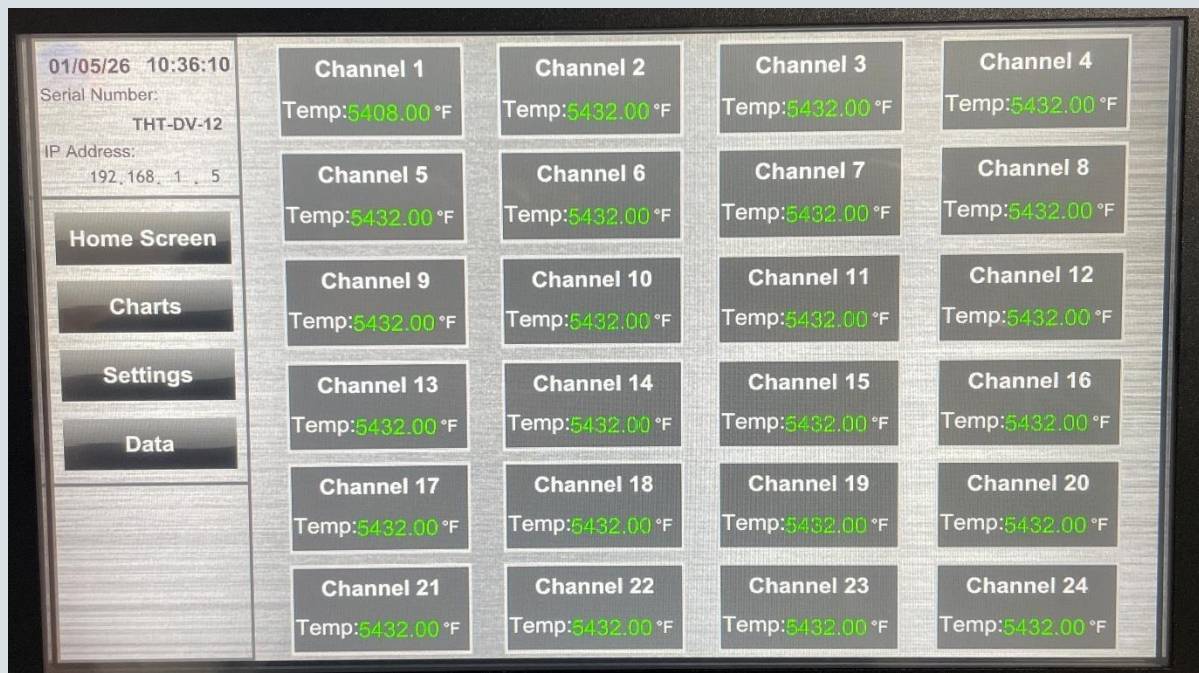
There are three different home screen layouts that you can choose from: Table Screen (seen above), Text Screen and Widget Screen. You can choose which layout you want displayed in the SETTINGS page by clicking on the settings button on the left of the screen.



Widget Home Screen:



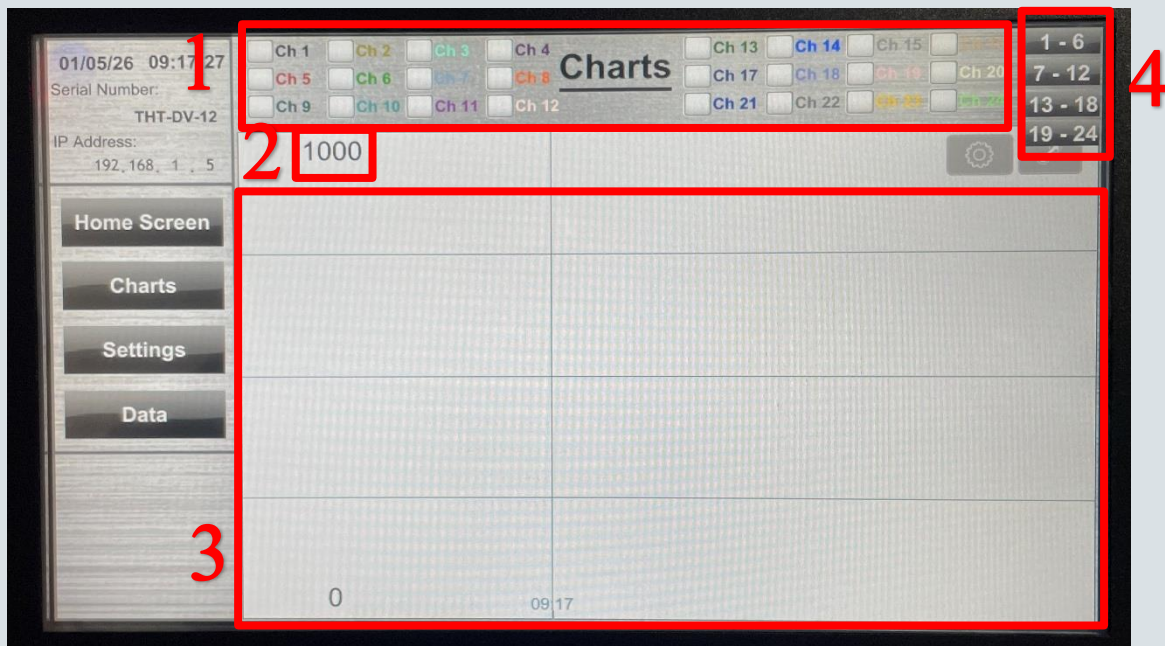
Text Home Screen:





Charts

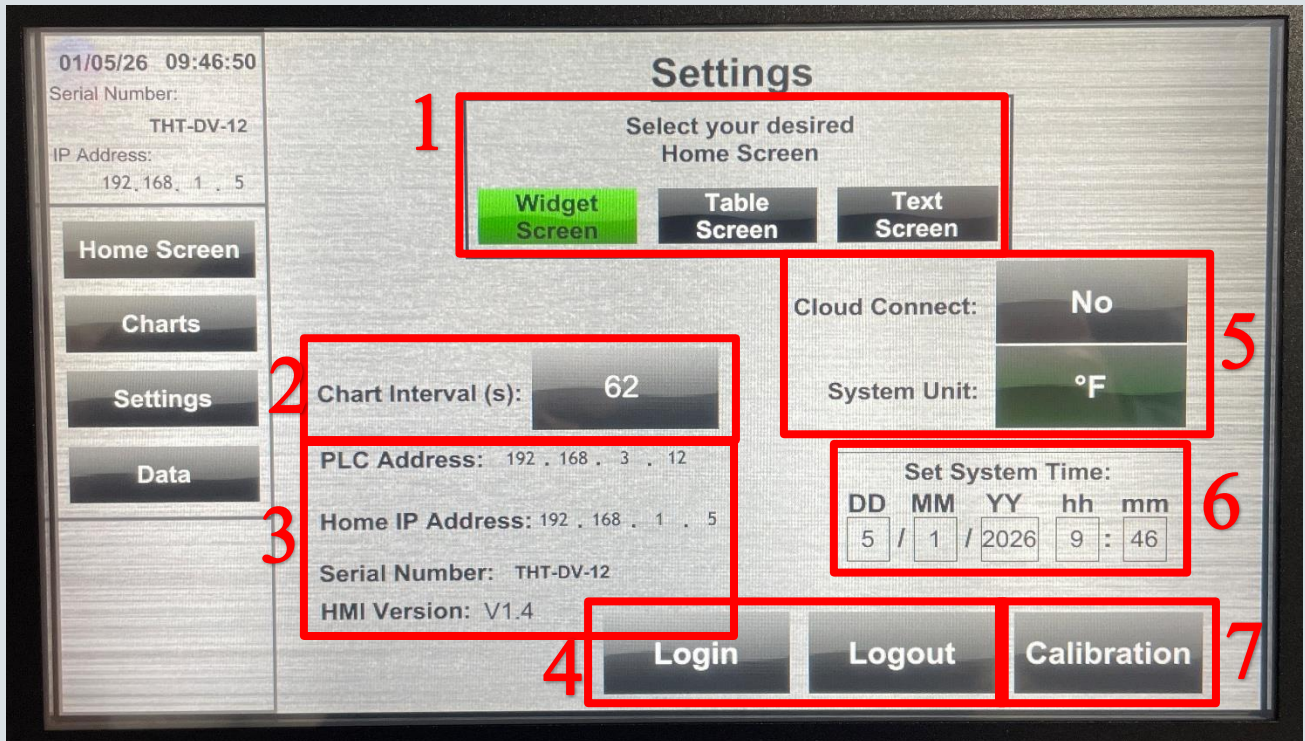
This screen will display a chart of the recorded channel temperatures.



- 1:** Channel Legend – Each channel is represented on the chart with a different colour. This legend lets you know which colour is which channel. You can display/hide the channel by clicking on the box next to the channel name.
- 2:** Y-Axis Max Value – This number is maximum temperature to show on the chart. You can set the maximum temperature by tapping this number and entering your desired value. Similarly, you can change the minimum temperature by tapping on the value in the bottom left of the chart.
- 3:** Chart Area – This is where the data will be displayed.
- 4:** Focused Charts – Clicking on the “1-6” box will open a chart with only channels 1-6 displayed. Clicking on the “7-12” box will open a chart with only channels 7-12 displayed. Clicking on the “13-18” box will open a chart with only channels 13-18 displayed. Clicking on the “19-24” box will open a chart with only channels 19-24 displayed.



Settings



- 1:** Home Screen Display – You can choose which home screen layout you want displayed.
- 2:** Chart Interval(s) – Here you can enter how often you want the chart data to be sampled. This is the number of seconds between each sample point. You can enter any value from 1 – 240.
- 3:** Device Information - This area will display the PLC IP address (do not change unless you are replacing the touchscreen), the home IP address (can change as needed), the serial number of the unit and the HMI version code.
- 4:** Login/Logout - Hit the “Login” button on the bottom to open the Login window. Here you can choose which mode to log into, “User Mode” and “Eng Mode”. Enter the password for the selected mode and click “Login”. To logout, click the “Logout” button at the bottom.
- 5:** Engineer Settings – These settings can only be accessed when you are logged in under the “Engineer” profile. Here you can turn the cloud connection on and off. You can also toggle between °C and °F by pressing and holding the button for 1 second.
- 6:** System Time – Here you can set the date and time of the system. This is important for the data sampling as this is the date and time the temperature recordings will be tagged with.
- 7:** Calibration – This will open the calibration screen. This button will only work when you are logged in under the “Engineer” profile.



Calibration

This screen is where you can adjust the calibration values on each channel.

The screenshot shows a calibration interface with 12 channels. Channel 1 is highlighted with red boxes and numbers 1, 2, and 3 indicating the Temp, Calibrate Value, and Request Value fields respectively.

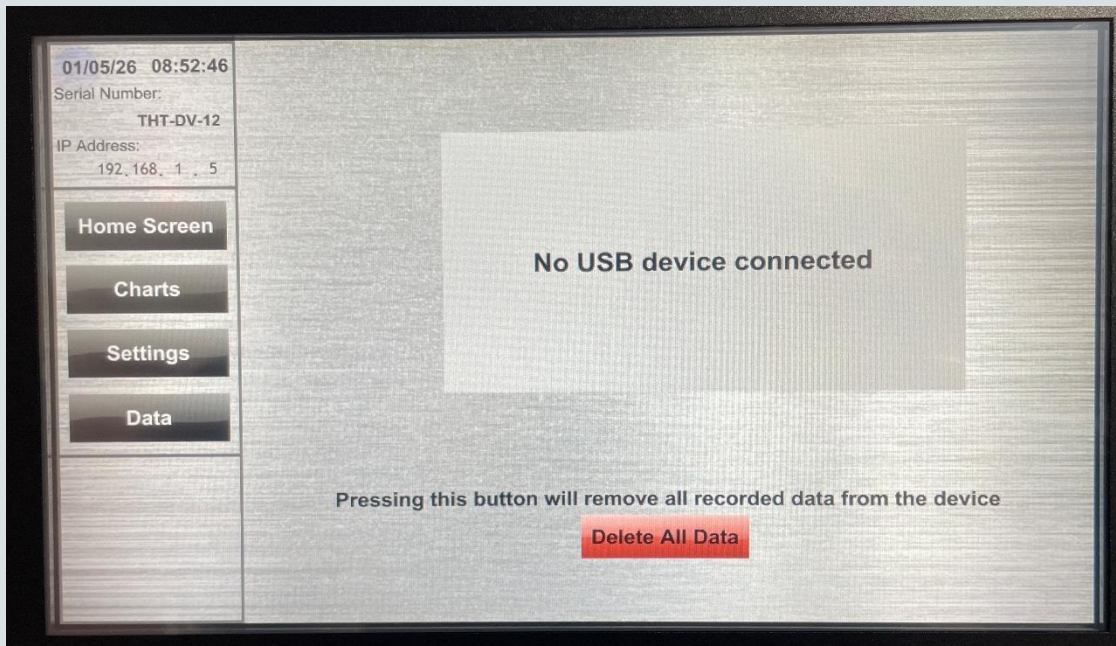
Channel	Temp	Calibrate Value	Request Value
Channel 1	5408.00	0.00	0.00
Channel 2	5432.00	0.00	0.00
Channel 3	5432.00	0.00	0.00
Channel 4	5432.00	0.00	0.00
Channel 5	5432.00	0.00	0.00
Channel 6	5432.00	0.00	0.00
Channel 7	5432.00	0.00	0.00
Channel 8	5432.00	0.00	0.00
Channel 9	5432.00	0.00	0.00
Channel 10	5432.00	0.00	0.00
Channel 11	5432.00	0.00	0.00
Channel 12	5432.00	0.00	0.00

- 1:** Temp – Shows the current temperature on the channel.
- 2:** Calibration Value – Displays current calibration value.
- 3:** Request Value – Where you would enter the new calibration value you want.

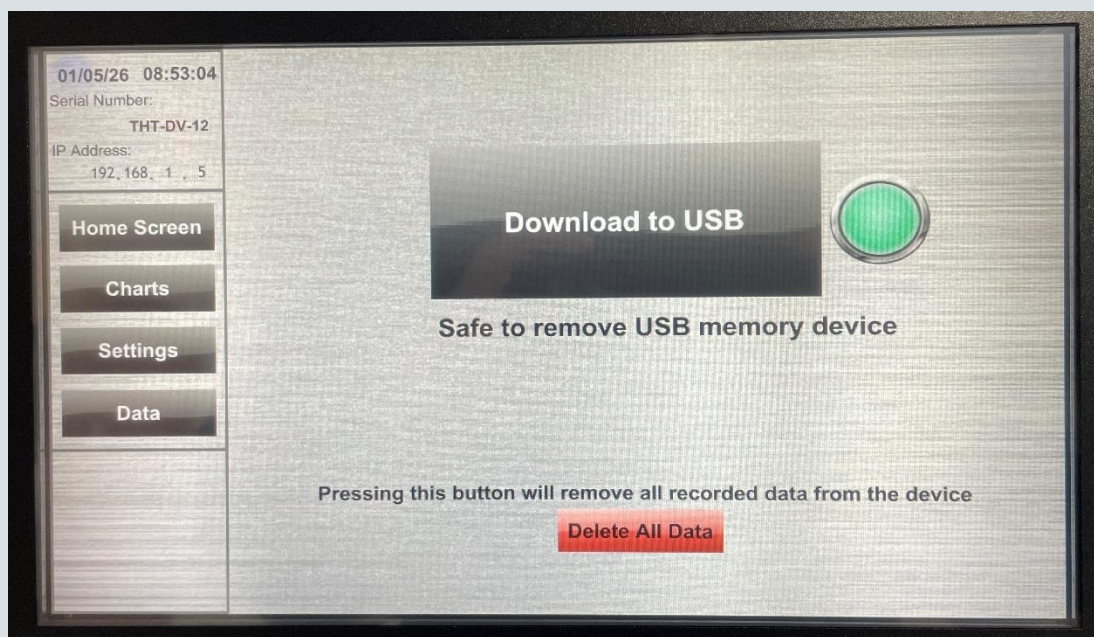


Data

This screen is where you will download cycle data to a USB drive. This is how the screen will appear when there is no USB inserted.

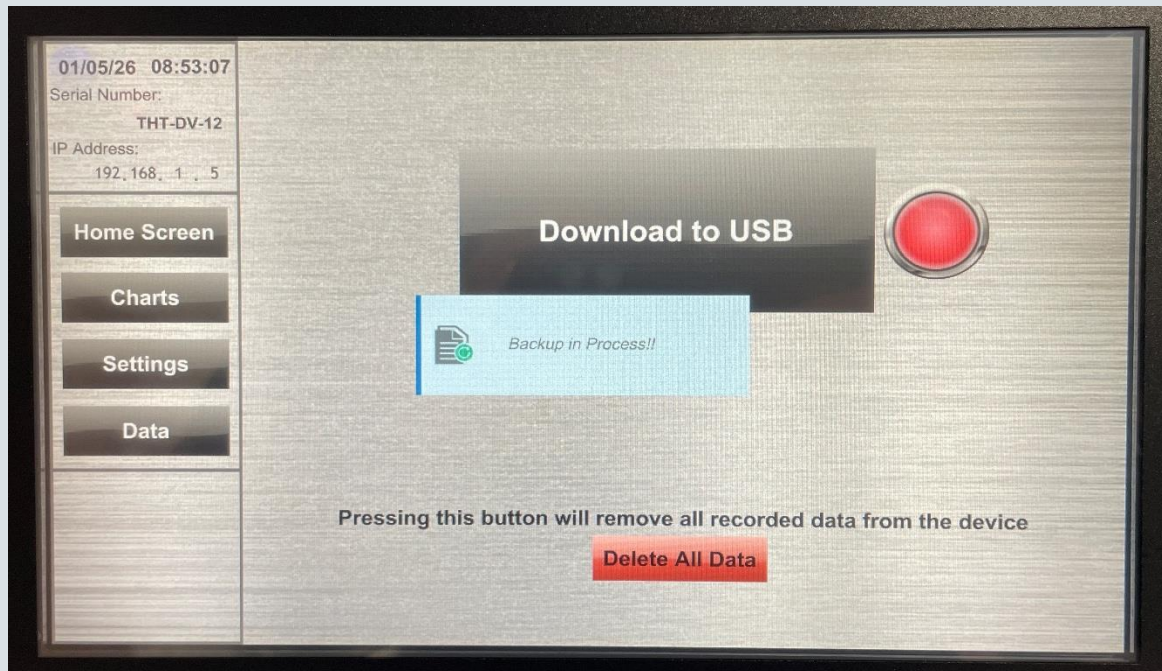


Once a USB has been inserted the screen will appear like this:





You can then hit the “Download to USB” button, the screen will appear like this when the data is being downloaded to the USB. The screen will tell you once the download is complete.



You can delete the data samples saved on the HMI by clicking on the “Delete Data” button at the bottom. (This button is only available if you are logged in as engineer.)