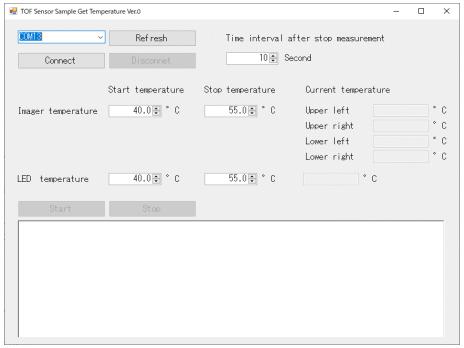
## Launch the application.

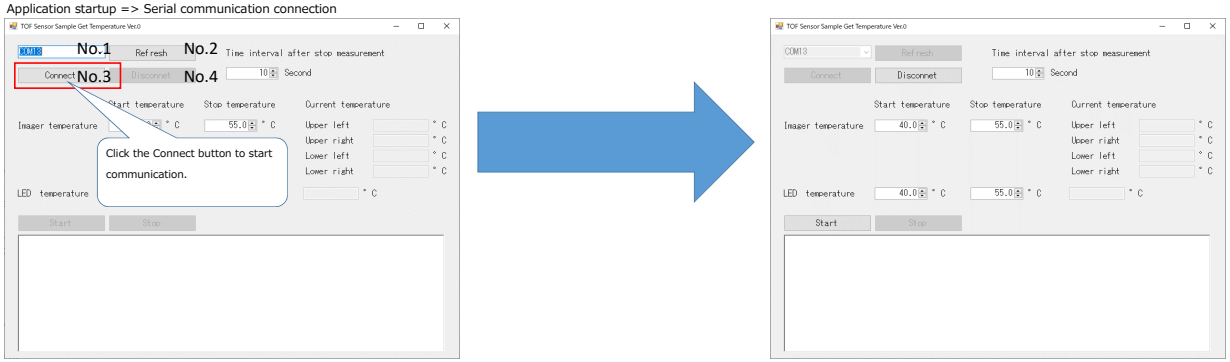
**When you execute the TOFSensorSampleGetTemperature.exe file, the following screen will start.**




## How to use the sample application.

**Connect to B5L by serial communication.**

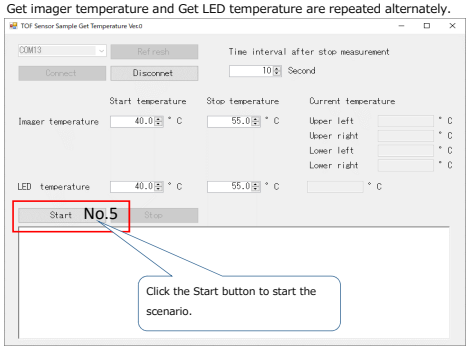
Application startup => Serial communication connection

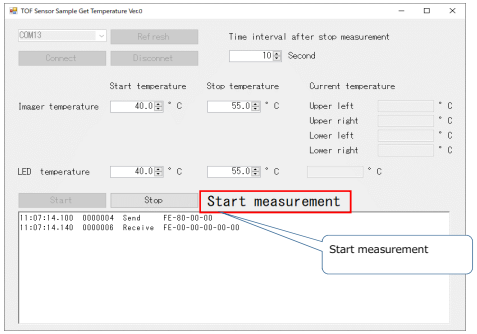


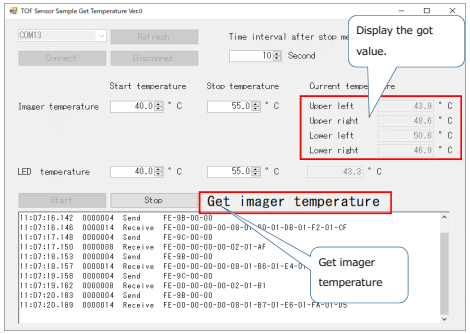

1.COM list
List of devices connected by serial communication.
2.Refresh button
Refresh the list of devices connected by serial communication.
3.Connect button
Connect serial communication with B5L.
4.Disconnect button
Disconnect serial communication with B5L.

## Start the sample code scenario.

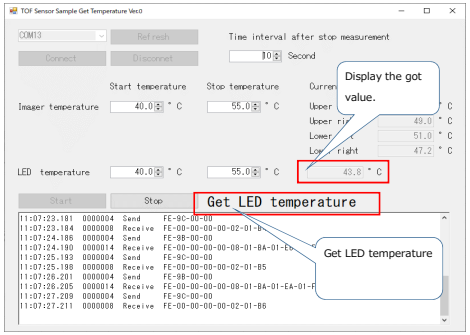
Carry out in the following order. Start measurement => Get imager temperature <=> Get LED temperature.
Get imager temperature and Get LED temperature are repeated alternately.



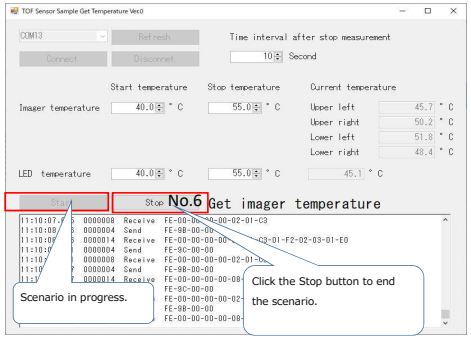

Repeat alternately.

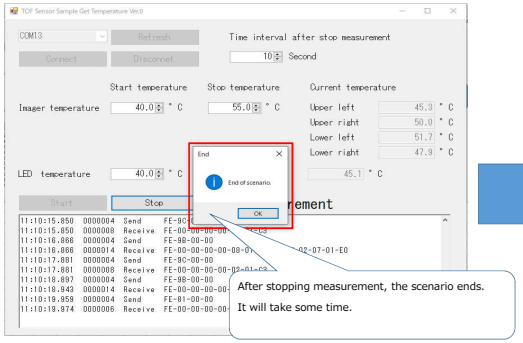


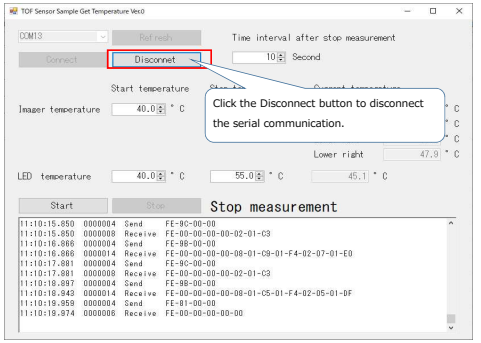

5.Start button
Start the scenario for get temperature.

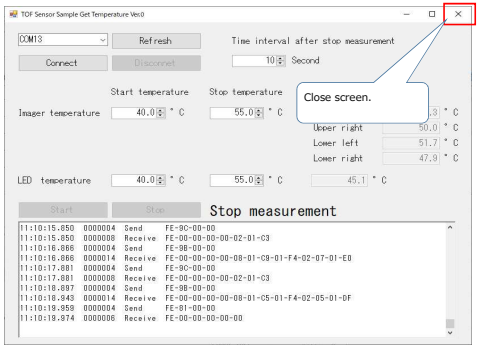
## Close the sample code scenario and application.

Follow the steps below. Stop measurement => Serial communication disconnected => Application terminated.



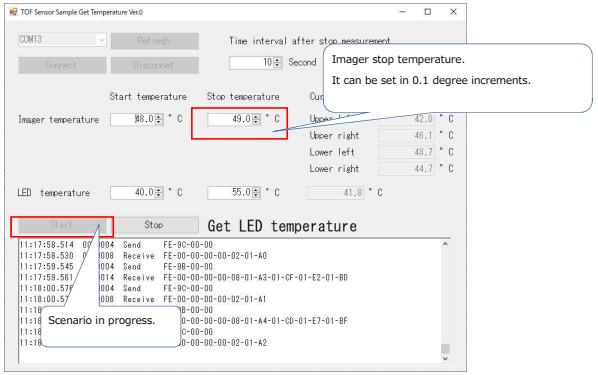




6.Stop button
Stop the scenario for get temperature.

## When the imager temperature reaches the imager stop temperature.



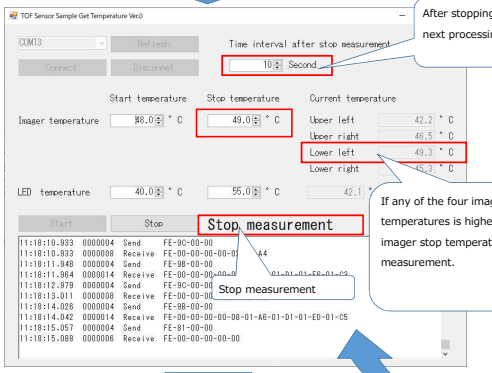

Process flow >>

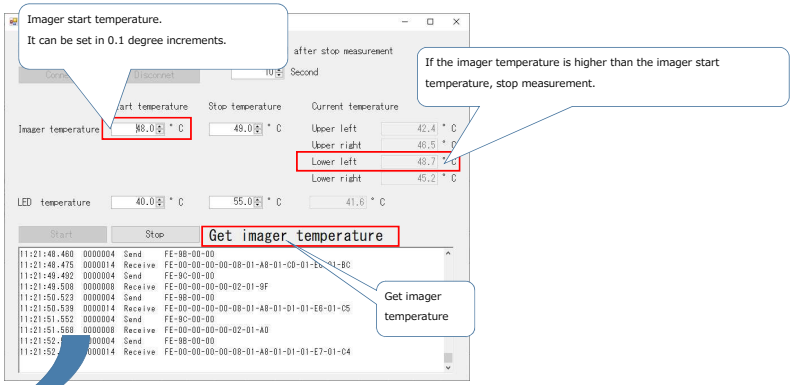
1. Set the stop temperature value for the imager temperature.
2. If any of the four imager temperatures is higher than the imager stop temperature, stop measurement.
3. Start measurement.
4. Get imager temperature.
5. When the imager temperature is higher than the imager start temperature, Stop measurement and return to 3.
6. When the imager temperature is lower than the imager start temperature, Get LED temperature.

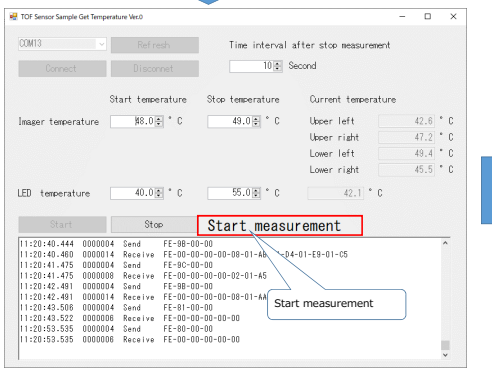
Wait 10 seconds after receiving command (wait time to cool down B5L. Set it arbitrarily).
Wait 2 second after receiving command.
Wait 1 second after receiving command.

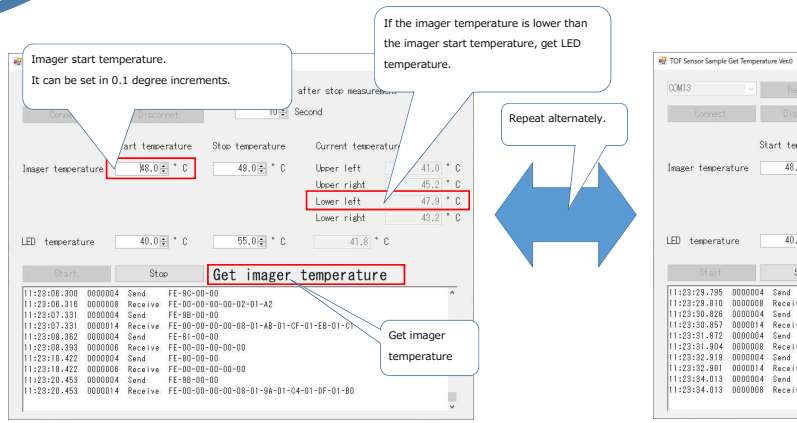
Wait 10 seconds after receiving command (wait time to cool down B5L. Set it arbitrarily).

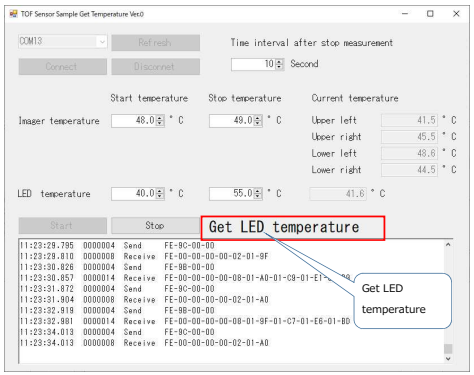
Wait 1 second after receiving command.



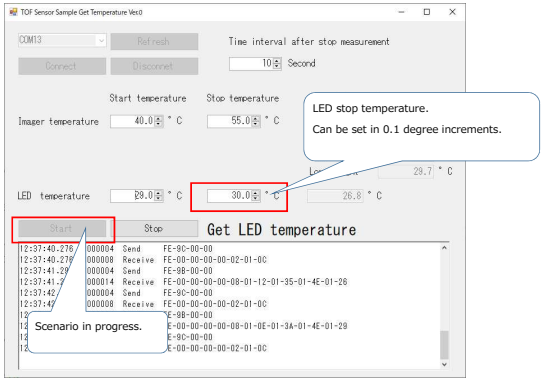



## When the LED temperature reaches the LED stop temperature.




Process flow >>

1. Set the stop temperature value for the LED.
2. If LED temperature is higher than the LED stop temperature, stop measurement.
3. Start measurement.
4. Get imager temperature.
5. Get LED temperature.
6. When the LED temperature is higher than the LED start temperature, Stop measurement and return to 3.
7. When the LED temperature is lower than the LED start temperature, Get imager temperature.

Wait 10 seconds after receiving command (wait time to cool down B5L. Set it arbitrarily).
Wait 2 second after receiving command.
Wait 1 second after receiving command.
Wait 1 second after receiving command.

Wait 10 seconds after receiving command (wait time to cool down B5L. Set it arbitrarily).

Wait 1 second after receiving command.