

How to calibrate the temperature of 9131 Column Compartment

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Temperature calibration will be necessary when the measured temperature value with a thermometer is out of acceptable normal range during the validation procedure. Temperature of 9131 Column compartment is calibrated at two points, 35 and 60°C by a service manager program. This calibration procedure must be performed with a certified and calibrated thermometer under stable room temperature. Turn off the air-conditioner, heater or any appliance which can influence the temperature change during the temperature measurement. Depending on the firmware version of 9130 or 9131 Column compartment, the available calibration range is different. Firmware version lower than 1.1.7, you can enter the measured value between 32 and 38°C for the first point (35°C), 57 and 63°C for the second point. Firmware version higher than 1.1.8, you can enter the measured value 30.5~39.5°C and 55.5~64.5°C.

<How to calibrate the temperature of 9131 Column Compartment>

1. Download the service manager program of 9131 Column compartment from link below; (Link address may be subjected to change without any notification.)

For lower than firmware version 1.1.7;

<https://readycloud.netgear.com/client/dllink.html#t=0p389cm1nut1ub6f3yn0coxsihz/Old%20service%20manager%20for%20Column%20compartment.zip>

For higher than firmware version 1.1.8;

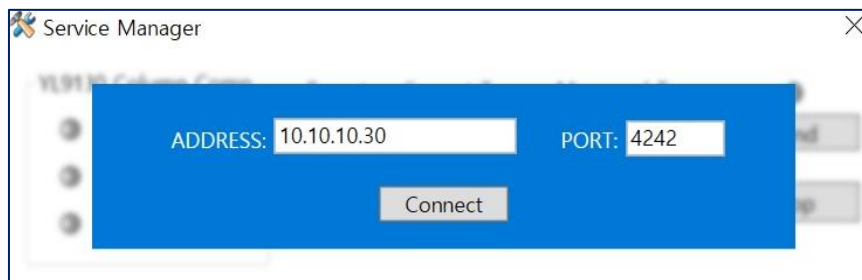
<https://readycloud.netgear.com/client/dllink.html#t=06t0hhp0ex0169vngnecrclm12/New%20service%20manager%20for%20Column%20compartment.zip>

2. Unzip the file and install the service manager program.

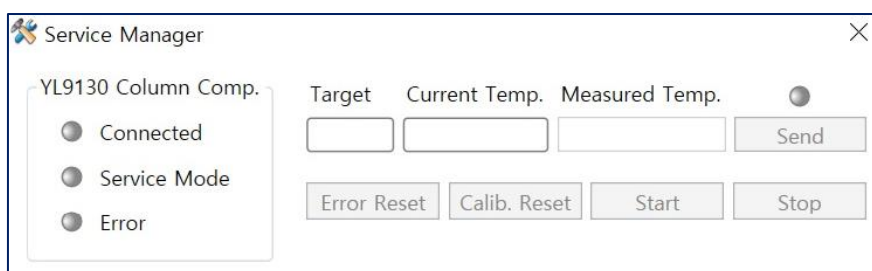
Service Note



- Run the program and click on Connect button.



- When the communication is established, the following menu displays.



- Connected: Connection status
- Service mode: Service mode status
- Error: Error status
- Target: Temperature setting point displays
- Current temp.: Current temperature displays
- Measured temp.: Enter the measured temperature value
- Error Reset: Reset the error state if necessary
- Calib. Reset: Reset the calibration factor
- Start/Stop: Start and Stop the calibration step

- Place the probe of thermometer in the center position of heating block.



Figure 1. Probe position in the heating block -1

Service Note



Figure 2. Probe position in the heating block -2

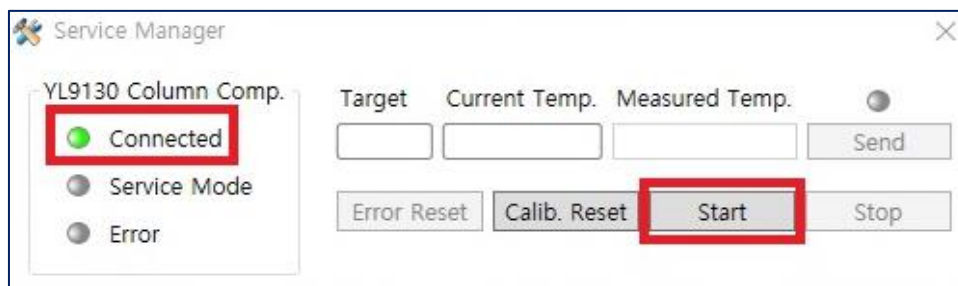


Figure 3. Multi Channel Thermometer

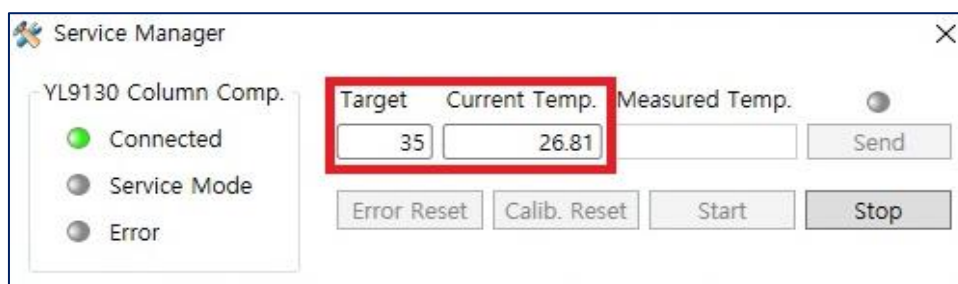
Service Note



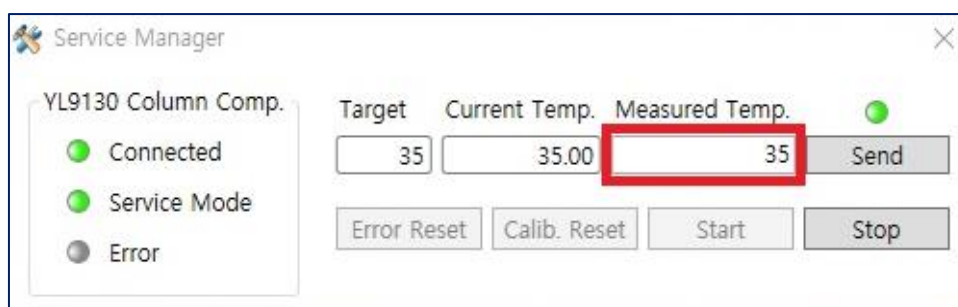
6. Press “Calib. Reset” button to reset the previous calibration factor and press “Start” button to begin the calibration.



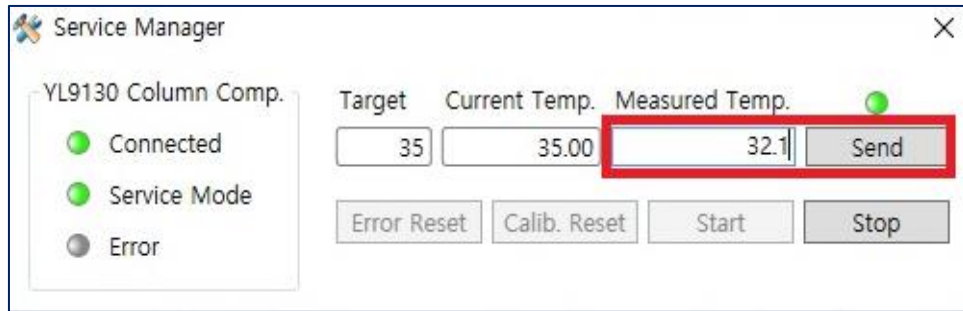
7. After pressing “Start” button, the Target temp sets to 35°C and Current Temp. increases to 35°C.



8. When the Current Temp. value is near to Target temperature, Measured Temp. box is activated. Read the temperature value on the thermometer then enter the measured value on it. And then, press “Send” button.



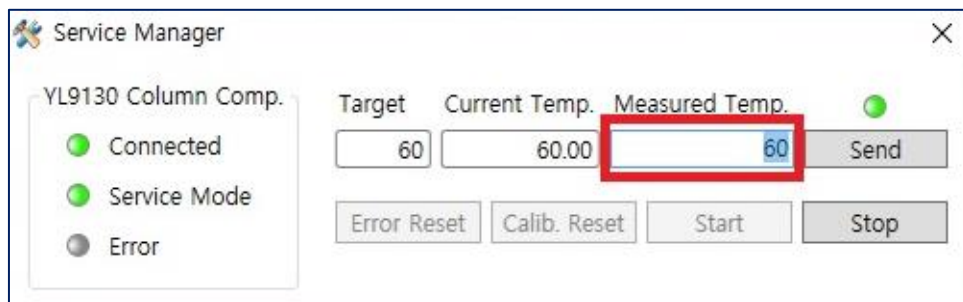
Service Note



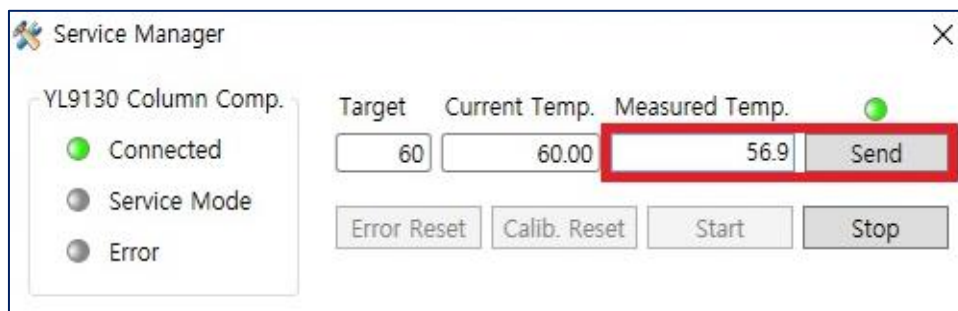
9. Target temperature sets to 60°C after pressing “Send” button.



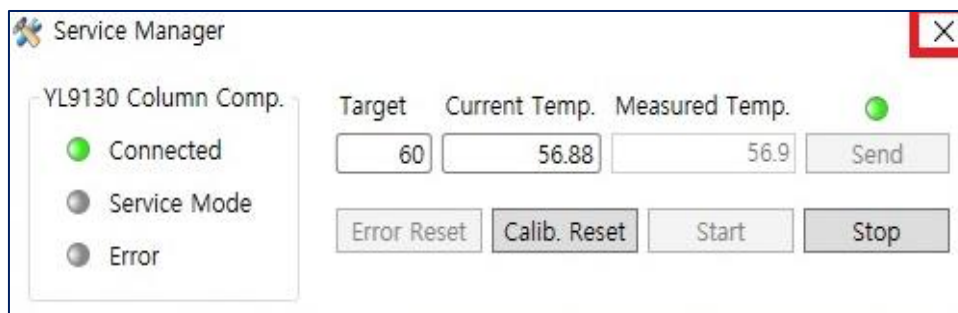
10. When the Current Temp. value sets to Target temperature, read the temperature value on the thermometer then enter the measured value on it. And then, press “Send” button.



Service Note



11. Close the program and reboot the 9131 Column compartment.



12. Measure the temperature at 35°C and 60°C with the thermometer again to check the measured temperature value. If re-calibration is necessary, press “Calib. Reset” button and enter the relative measured value again. For example, when the measured (actual) is lower than Current Temp. value, enter the lower value than the last measured value. Or, when the measured is higher than Current Temp. value, enter the higher than the last measured value.