

### Interface definitions:

outside_system_env	<ul style="list-style-type: none"><li>• Maximum temperature of up to 100°C</li><li>• Light form near 10 lux to over 20k lux</li></ul>
breadboard_arduino_assembly	<ul style="list-style-type: none"><li>• Place the thermistor and the photocell in parallel</li><li>• Two resistors must be in series with one for each component (one for the thermistor, and one for the photocell)</li></ul>
adc_usart_data	<ul style="list-style-type: none"><li>• Using ASCII transmission as communication method</li><li>• All measurements very close in time to each other</li><li>• At least 10 sets of measurements per second</li></ul>
microcontroller_matlab_conversion	<ul style="list-style-type: none"><li>• Have the Arduino serial port be read in MatLab</li></ul>
usart_plot_data	<ul style="list-style-type: none"><li>• 2-dimensional array of floats</li></ul>
plot_outside_usr	<ul style="list-style-type: none"><li>• Data being collected in real time</li><li>• Line showing average of current data for each measurement type</li><li>• Display of current temperature measurement and corrected measurement</li></ul>