

## Operating manual

### Before starting

- Type in maximum temperature allowable coil temperature (0c-100c)
- Type in desired x and y coordinates of object (x: 0-58cm, y: 0-43cm)
- Click submit button (Note not clicking submit will cause test to fail)

### To Start

- Press the click the start button

### To Stop

- Press stop button or wait for maximum coil temperature to be exceeded.

### Viewing log files

- Log files will be placed in the main directory as main.py. Log files will be time stamped with the start time of the test.

### Troubleshooting

- Sensor not reading: Check connections to ensure sensor is plugged in properly.
- Object not detected by camera: The colour mask that is applied to the image may need to be adjusted based on ambient lighting conditions. This mask is located in camera\_test.py (line 24-25). Adjust the upper and lower bounds as needed. Uncomment line 97 to see the frame with the colour mask applied to check if the colour mask is correct, the only illuminated pixels should be the object.