



# SOUTHEAST THERMAL SYSTEMS

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## **Infrared Heater Test Bench Items Checklist**

1. Control Panel (1)
2. 480V Power Cord (1)
3. 240V Power Cord (1)
4. Mating Plug w/Leads for 480V Power Cord (1)
5. Mating Plug w/Leads for 240V Power Cord (1)
6. Infrared Heater Assembly (1)
7. Marinite Board (1)
8. Adjustable Marinite Clips (4)
9. Locking Handles w/Washers (4)
10. Round Plastic Rubber Feet (4)

## **Infrared Heater Test Bench Setup Instructions**

1. Watch video on how to properly set up and connect to the Control Panel and Infrared Heater Panel. [https://youtu.be/s\\_kbSBjKC10](https://youtu.be/s_kbSBjKC10)
2. It is required that two people set up the Test Panel.
3. A Certified Electrician is required to wire the power supply to the Test Panel.
4. Make sure your main power supply is turned off prior to starting setup.
5. Set up the Control Panel on a flat surface.
6. Remove bungee cords taking note of how they are strapped for disassembly when your test is completed. Setup Infrared Heater Panel on flat surface. Use the spring-loaded handles provided to lock out the legs on the Infrared Heater Panel. Legs must be open 90 degrees. (Reference photos and video)
7. Install level clips supplied for the Marinite board. Slide the brackets into the grooves on the bottom of the legs and lock in at the height required. Install round rubber feet to the holes on the bottom of the legs. Place Marinite board on top of the clips.
8. Plug in the Infrared Heater Power Cord into the bottom outlet on the Control Panel.
9. Plug in the Sensor Plug next to the Infrared Heater Power Cord outlet on the Control Panel.
10. Plug in Power of 240V or 480V power plugs supplied on the top outlet on the Control Panel.
11. Connect the opposite end to your main power supply.
12. Turn on your main power supply.
13. Switch the Control Panel to the ON position.
14. Adjust Temperature Control for desired heat.

## Infrared Heater Test Bench Disassembly Instructions

1. Watch video on how to properly disassemble the Control Panel and Infrared Heater Panel.  
<https://youtu.be/TwgKK5fnagw>
2. Switch the Control Panel to the OFF position.
3. Turn off your main power supply.
4. Unplug the Control Panel from main power supply.
5. Let the Infrared Heater cool down for 15-30 minutes.
6. Unplug the 240V or 480V plug from the Control Panel.
7. Unplug the Sensor plug from the Control Panel.
8. Unplug the Infrared Heater Power Cord from the Control Panel.
9. Remove Marinite board and plastic feet from the legs of the Infrared Heater Panel. Place the feet back into the plastic container. Then remove the level clips and place them in a zip-lock bag and place them back into the plastic container.
10. Loosen the spring-loaded handles and fold legs so they are flat. Remove spring-loaded handles and place them in a zip-lock bag and then place them back into the plastic container. Strap bungee cords to hold wires, feet, and handles in the same noted locations as when they were removed. (Reference photos and video)



## Infrared Heater Test Bench Packing Instructions – Power Cords/Marinite Board



1. Place the thin foam level on the bottom of the Pelican Box.



2. Place the 240V and 480V adapters foam level into the Pelican Box and then place the adapters into their cutout positions.



3. Place a full foam level on top of the 240V and 480V adapters.



4. Place the 240V and 480V power cords foam level into the Pelican Box and then place the power cords into their cutout positions.



5. Place a full foam level on top of the 240V and 480V power cords.



6. Place the Marinite Board foam level into the Pelican Box and then place the Marinite Board into its cutout position.



7. Place a full foam level on the top of the Pelican Box.

### **Infrared Heater Test Bench Packing Instructions – Control Panel**



1. Place the thin level of foam on the bottom of the Pelican Box.

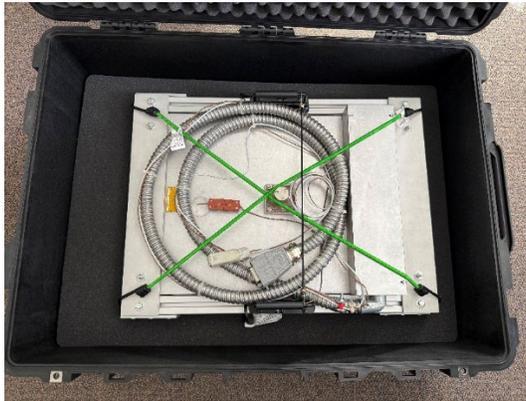


2. Place the next foam level on the bottom of the Pelican Box. Then place the control panel as it appears into the cutout position.



3. Place the rest of the foam level layers into the Pelican Box making sure not to tear the foam around the corners and power cutouts.

### **Infrared Heater Test Bench Packing Instructions – IR Heater**



1. Place the thin foam level and next level into the bottom of the Pelican Box. Then place the IR Heater as it appears in the cutout position.



2. Place the last foam levels into the Pelican Box and add the rectangle cutout on top of the IR Heater for extra support. Don't forget to put the plastic parts box back in the Pelican Box as shown in the photo.