



# TGB-2515/TGB-5030 Temperature Gradient Bar Product Manual

Volume 1.0



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# **TGB-2515/TGB-5030**

## **Temperature Gradient Bar**

### **For CPV Cold Plates**



# What's Included ???

Gradient Bar

End Insulation (QTY: 2)

Bottom Insulation (QTY: 1)



RTD Connectors (QTY: 2)

Thermally Conductive Sil Pad (QTY: 2)

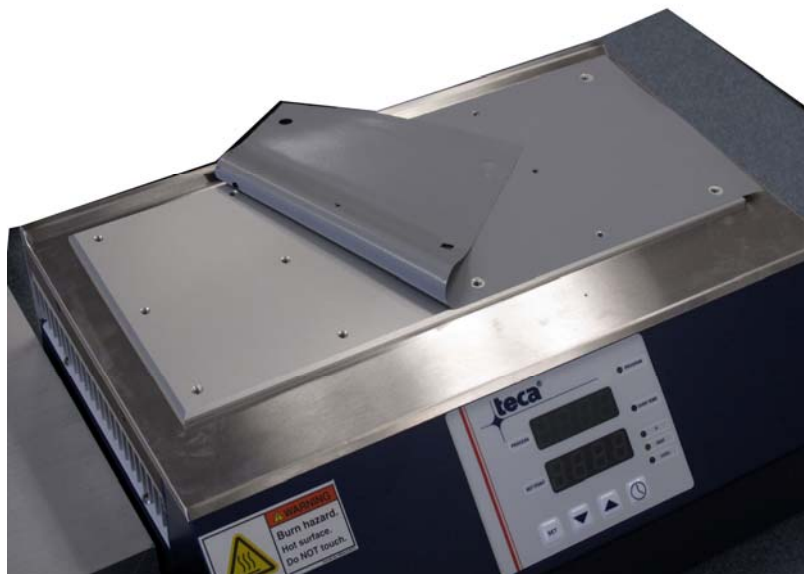
Assembly Hardware

# Assembly Instructions

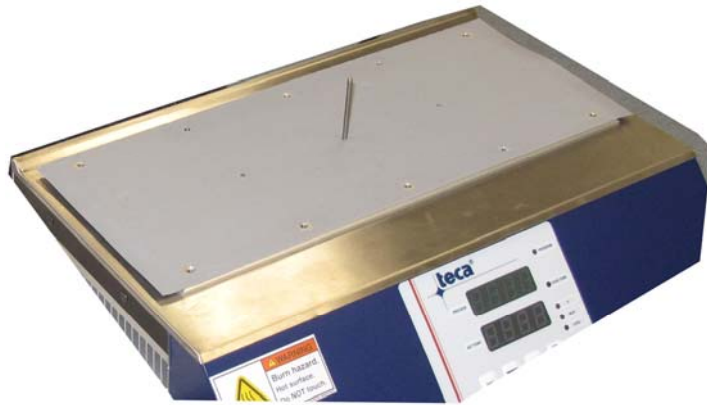
1. Place (2) AHP-1200CPV or (2) AHP-301CPV cold plate back to back
2. Place the gradient plate next to the cold plates



3. Separate the cold plates, try to line up mounting holes of the gradient plate with the cold plate accessory holes.
4. Remove the protective plastic cover from CPV cold plate surface.
5. Place the thermally conductive Sil Pad (gray colored sheets with holes) on the CPV cold plates and line up the holes. The adhesive side should stick to the CPV cold plates and non-adhesive side should face up.



6. Install 3” long 6-32 threaded stud (2 included) 1 per cold plate in the middle hole of each cold plate. This will help assembly of the gradient bar later.



7. Use the gradient plate to square up the CPV cold plates.



8. Two people, carefully, first line up one stud with mounting hole in the gradient bar then move the 2<sup>nd</sup> CPV cold plate to line up the other stud with it's mounting hole in the gradient bar. Gently lower the gradient bar onto the CPV cold plates. **DO NOT DROP THE GRADIENT BAR ON THE CPV COLD PLATES.**

9. Rotate CPV cold plates as needed to line up other mounting holes.



10. Install the mounting screws (remove the threaded studs), tighten in steps until secure.  
11. Install sensors and insulations.





