

# GT-50 Temperature Probe Installation Instructions

## Installation:

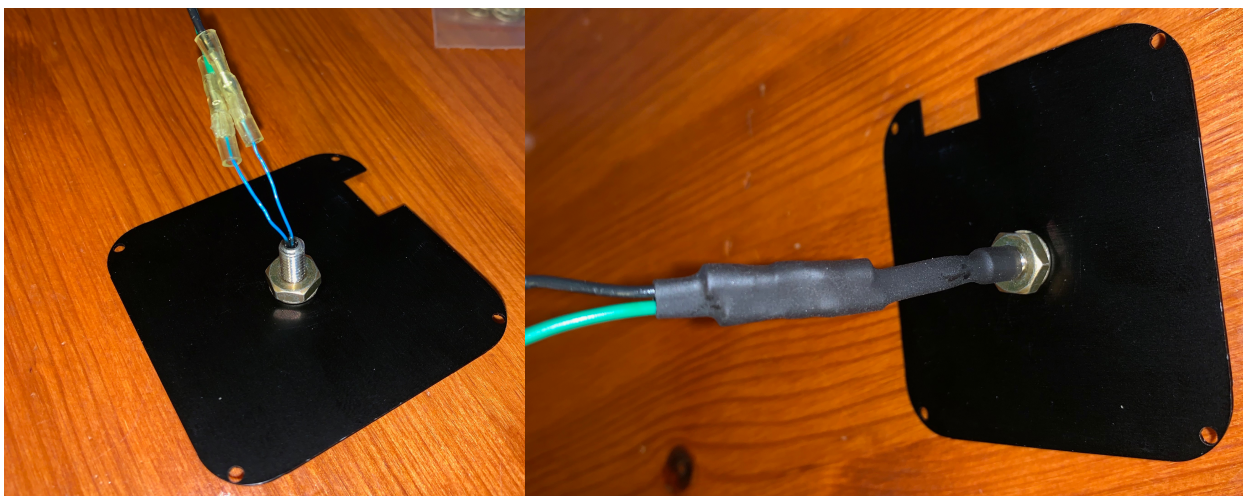
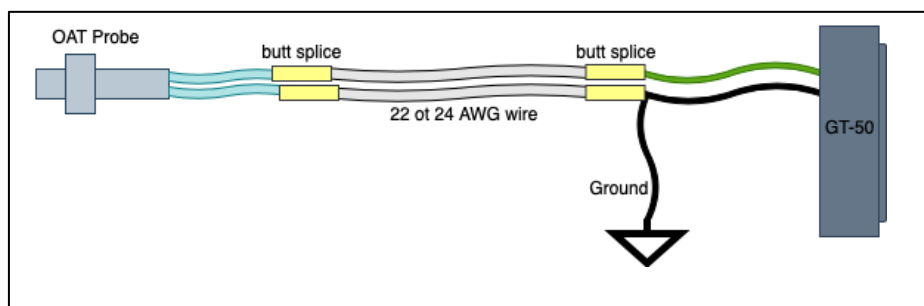
### Mechanical

To achieve the most accurate temperature readings, the probe should be installed in the free air stream outside of the arc of the propeller. Locations inside the arc of the propeller can cause inaccurate readings because the air near the probe may be moving faster than the plane is traveling through the air.

We suggest mounting the probe in a wing inspection panel outside of the arc of the propeller. Drill a 3/16" hole in the mounting surface and secure the probe in the hole with the provided nut and washer.

### Electrical Notes:

- The probe wires are identical.
- Use 24 or 22 AWG wire for connections to the OAT probe from the GT-50.
- **One probe wire is connected to the green wire on the GT-50, the other probe wire is connected to ground at the GT-50.**
- Ground the probe at the GT-50. Do not use the airframe to carry the ground signal from the oat probe to the instrument
- Tee off of the black wire on the GT-50 harness to create an extra ground connection for the OAT probe.
- Don't forget to put the heat shrink on the wires before crimping the connections.



## Specifications:

**Temperature Range:** -30°F to +122°F original GT-50  
-40°F to +255°F GT-50 USB

**Dimensions:** Overall Length: 0.8 inches, Overall Diameter 0.25 inches  
Mounting Hole Diameter 0.1875 inches (3/16"), 10-32 Mounting Thread  
Aluminum Housing Material

**Weight:** 0.1 Oz.



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