

GT-50 Temperature Probe Installation Instructions

WARNING!! -- DO NOT connect the green wire to 12/28 Volts Damage Will result – WARNING!!

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.

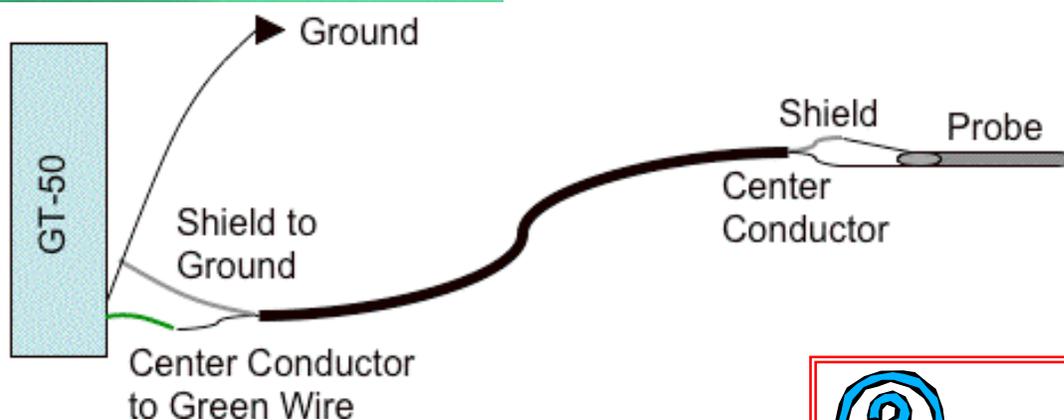
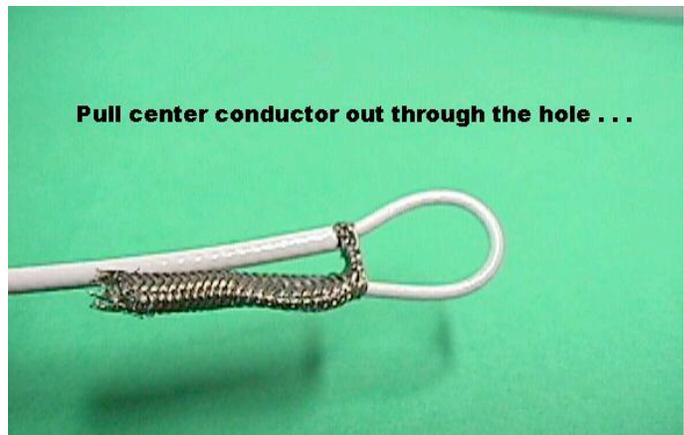
We suggest mounting the probe in a wing inspection panel outside of the arc of the propeller. Drill a hole in the mounting surface and secure the probe in the hole with silicon. Another possibility is to mount the probe in a 1/8" ID rubber grommet.

Electrical

The probe wires are identical and may be trimmed to any desired length. One probe wire is connected to pin 4 (Green Wire) on the GT-50 and the other probe wire is connected to ground. A single conductor 24 or 22 gauge shielded wire should be used between the probe and the GT-50 (not included).

- Trim the green wire on the GT-50 harness to minimize the length of unshielded wire run.
- Connect the center conductor of the shielded cable to an OAT probe wire and to the green wire (pin 4) on the GT-50.
- Connect the shield to the other OAT probe wire and to ground at the GT-50. One way to do this is to Tee off of the black wire on the GT-50 harness to create an extra ground connection for the OAT shield.

Prepare the single conductor shielded wire by stripping 1.5" of the outer insulation and pulling back the shielding. (see below)



Specifications:

Temperature Range: -30°F to +122°F

Dimensions: Length: 1.10 inches, Diameter 0.125 inches

Material: Mil Spec Stainless Steel 316

Weight: 0.1 Oz.



Need Help?

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