

A200-TSA Installation Instructions

200 Series Outside Air Temperature Sensor

WARNING

This document provides instructions for the installation of the A200-TSA Outside Air Temperature Sensor, Rev 1.0. Use of these instructions with any other product revision voids all warranty and certifications.

Functional Summary

The A200-TSA is a monolithic temperature sensor to be used with 200 Series instruments that have outside air temperature functionality.

Physical Installation

Select an appropriate location for the temperature sensor. Do not install it in the air path of the engine exhaust, no matter how far from it.

We recommend either one of the following three locations:

1. On the underside of the fuselage on the side opposite the exhaust on aircraft with a single exhaust, behind a straight line point of the trailing edge of the wing.
2. On the inboard bottom surface of either wing; on the opposite side to the exhaust.
3. On the top of the fuselage.

To install the sensor:

1. Drill a 5/16" hole in the chosen location.
2. Insert the sensor into the hole ensuring that the nylon washer is between the sensor base and the aircraft body.
3. Slide the nylon washer on the outer side of the sender.
4. Attach the lock nut to the sender. Tighten to 20 in-lbs (2.26Nm). Do not over tighten.
5. Route the sender wiring to the appropriate location to connect to the instrument.

Electrical Connection

1. Connect the red/black/yellow wires from the sensor to the corresponding color wires in the instrument harness.