

# A200-TEC-15/20/25 Installation Instructions

## 200 Series Clamp EGT Thermocouple

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### WARNING

This document provides instructions for the installation of the A200-TEC Type-K Clamp Thermocouple, Rev 1.0. Use of these instructions with any other product revision voids all warranty and certifications.

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### Functional Summary

The A200-TEC is an ungrounded Type-K thermocouple for use with all 200 Series instruments that require an EGT temperature input. They are available with clamps that will fit 1½", 2" and 2½" diameter exhaust pipes.

### Physical Installation

1. Type-K EGT probes are identified by their yellow connector plugs.
2. The probes are provided in a straight configuration and can be bent to any shape to facilitate installation.
3. When bending, exercise care not to damage the thermocouple tip. The minimum bend radius is 1¼".
4. Do not strap any portion of the thermocouple wiring to:
  - a. any portion of the exhaust, or
  - b. the ignition harness, or
  - c. the magneto P-leads.
5. Drill a 3/16" hole between 2" and 6" from the top of the exhaust flange. Ensure that holes for all cylinders are the same distance.
6. Bend the probe to the required shape.
7. Probe penetration depth is preset and no adjustment is required. Open the probe clamp, insert the probe tip into the exhaust and reattach the clamp.
8. Route the probe wiring to the termination point of the instrument harness. Allow cable slack for movement between the engine and mount.

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### Electrical Connection

1. The probe is supplied with a male connector attached. The large pin of the connector is the negative and the small pin the positive.
2. Attach the female connector to the instrument wiring harness. The red lead must be connected to the large (-) pin and the yellow to the small (+) pin. The shield must be connected to the shield lug on the inside of the connector.
3. Connect both plugs together and then secure them with the provided shield strap.