This sensor probe utilizes a dual precision integrated-circuit temperature sensor, whose output voltage is linearly proportional to the Celsius temperature.

**Design Features:**
* Calibrated directly in °C
* Linear +10.0mv/°C scale factor
* ±1/4°C accuracy (at 25°C)
* Rated to full -55°C to 150°C range
* Suitable for remote applications
* Operates from 4 to 30 volts
* Less than 60µA current drain
* Low self-heating, 0.08°C in still air
* Nonlinearity only ±1/4°C typical
* Low impedance output, 0.1Ω for 1mA load

This Sensor is available in other designs and configurations. Consult Tempco with your requirements.

This sensor does not require any external calibration or trimming to provide typical accuracies of ±1/4°C at room temperature or ±3/4°C over a full –55°C to 150°C temperature range. This sensor includes a Molex 4-pin connector.

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This sensor probe is a fast responding 2000 ohm RTD sensor used widely in the HVAC, appliance and automotive industries. Sensor is protected in a 316 SS housing and supplied with 22 ga. Teflon® leads.

**Design Features:**
* 2000 ohm nominal resistance at 20°C
* Accurate to ±0.7°C at 20°C
* Near linear temperature sensitivity; provides 8Ω/°C sensitivity
* ±3% max. linearity (can be linearized to ±0.2%)
* Long term stability
* Interchangeable without sensor-to-sensor recalibration
* Operating temperature range of –40°C to +150°C

This type of sensor is also available in other designs and configurations. Consult Tempco with your requirements.
**Spring-Loaded Surface Contact Thermocouple**

This Type J thermocouple is used to sense the temperature of moving drums or rollers. Spring-loaded tip provides free movement and proper contact of the sensing tip. The sensing tip is made of copper for fast response time. Thermocouple wires are terminated in a miniature connection head and connected to a terminal block. This thermocouple can be operated up to 500°F (260°C).

This Type J thermocouple is used in mixers and pelletizers. The body is made of 416 SS. The ungrounded junction, and sensing tip, is isolated from the body with a high temperature thermal barrier to ensure accuracy.

**Maximum Operating Temperature:** 750°F (400°C).

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**Compound Mixer Thermocouple**

This Type J thermocouple is used in mixers and pelletizers. The body is made of 416 SS. The ungrounded junction, and sensing tip, is isolated from the body with a high temperature thermal barrier to ensure accuracy.

**Part Number:** TCP90031

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**Type J calibration; consult Tempco for other calibrations.**