

# Custom Applications

#### **Custom Designs Welcomed at TCP**

When your application requires a sensor with special packaging or operating conditions, TCP has the experience and resources to design and manufacture a sensor to meet your needs.

For more than 55 years we've been providing solutions to tough application problems. Meeting customer needs has led us to expanding our own capabilities. We've designed thermocouples and RTD's for a wide variety of applications for various industries. Here's a sampling of applications:

- Hot Gas or Liquid Measurement
- Plastic Molding Machines
- Refinery Reactor Temperature Measurement
- Flat and Round Surface Measurements
  - Reciprocating and Turbine Engine Measurement
  - Food Processing

If you have an application that requires custom capabilities, give us a call, our engineers are ready to work with you to provide the optimum solutions.

#### **Engine Exhaust Thermocouple**

Available in various configurations for monitoring engine exhaust temperatures in gasoline or diesel engines.



Seal Ring Thermocouple
Proprietary designs of ring
thermocouples.

**Lens or Cone Ring** 

Other Available Designs: **High Temperature** 

Thermocouple
Gas filled design to prevent oxidation internally.

#### **Melt Thermocouple**

Used extensively in plastic injection molding.

### **Surface Pad Thermocouple**

Unique bend to allow difficult installations.

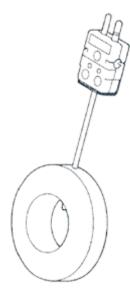


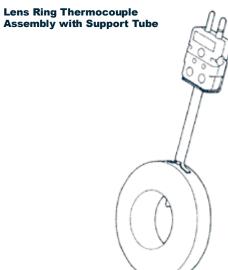




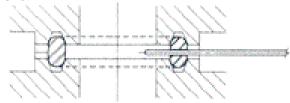
# **CUSTOM SEAL RING DESIGNS**

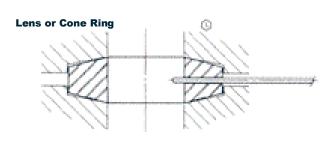
### **Lens Ring Thermocouple**

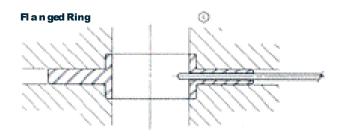


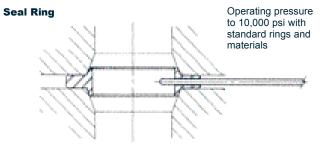


### **Ring-Type Joint**









1. Made to proprietary designs.

## **Typical Junctions**

