

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

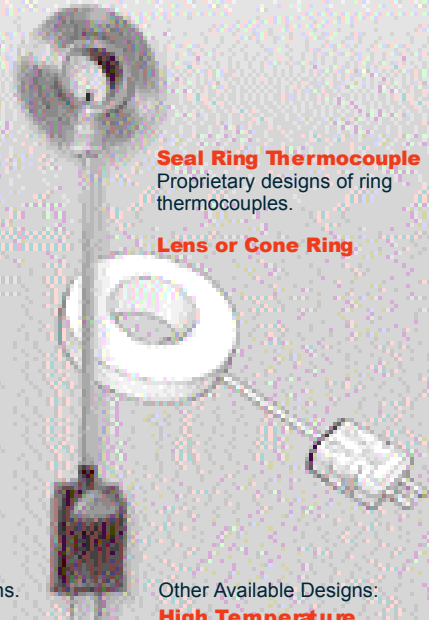
Available in various configurations for monitoring engine exhaust temperatures in gasoline or diesel engines.



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

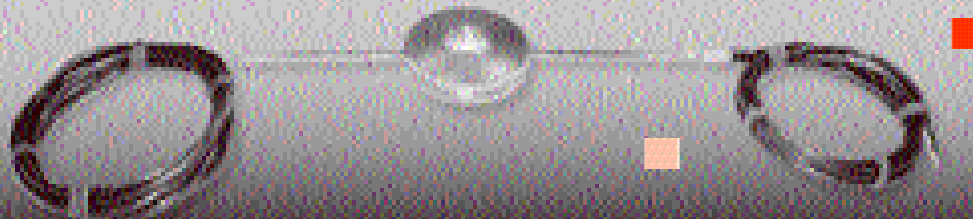
Used extensively in plastic injection molding.

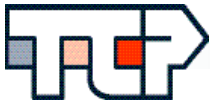
Surface Pad Thermocouple

Unique bend to allow difficult installations.

Dual Thermocouple Cone Ring

Used extensively in plastic extruder.

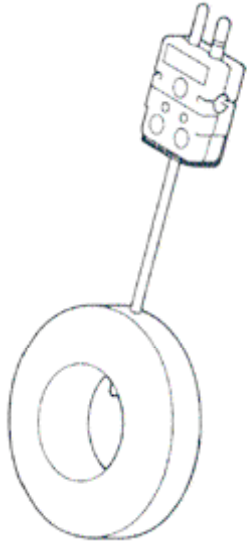




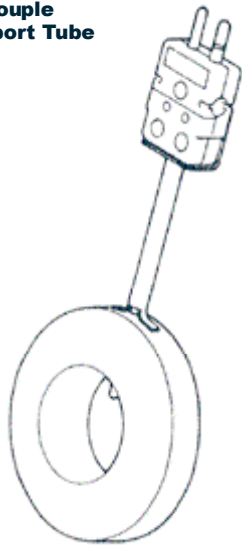
Thermo-Couple Products Co.

CUSTOM SEAL RING DESIGNS

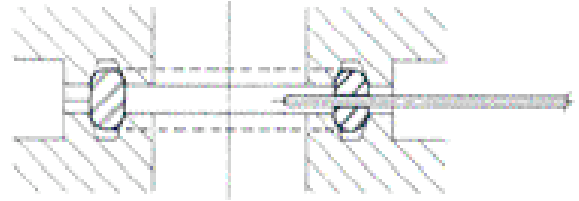
Lens Ring Thermocouple



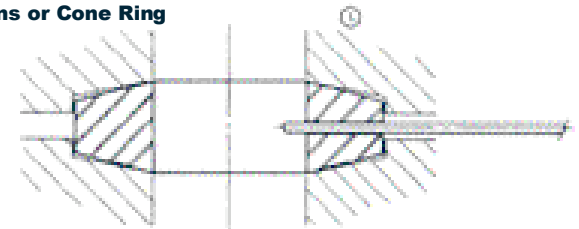
Lens Ring Thermocouple Assembly with Support Tube



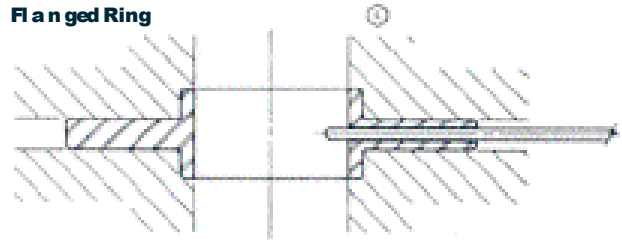
Ring-Type Joint



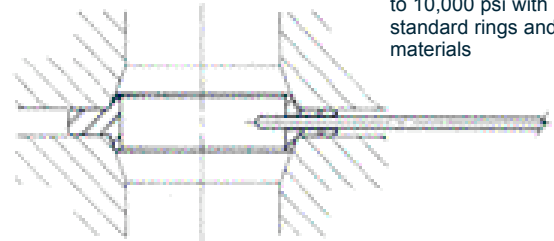
Lens or Cone Ring



Flanged Ring



Seal Ring

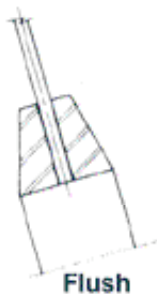


Operating pressure to 10,000 psi with standard rings and materials

1. Made to proprietary designs.

Custom Applications

Typical Junctions



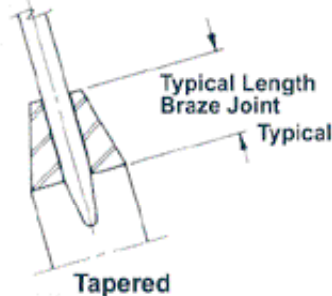
Flush



Standard



Bent



Tapered