



PYROVIA

INDUSTRIAL TEMPERATURE SENSORS,
ACCESSORIES AND PROCESS INSTRUMENTATION

PROCESS SOLUTIONS

THERMOCOUPLES | RTDs | THERMOWELLS | ACCESSORIES | INSTRUMENTATION
CUSTOM MANUFACTURING

100 SERIES

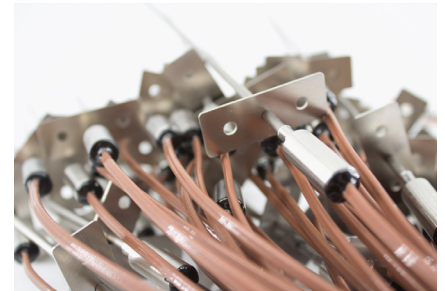
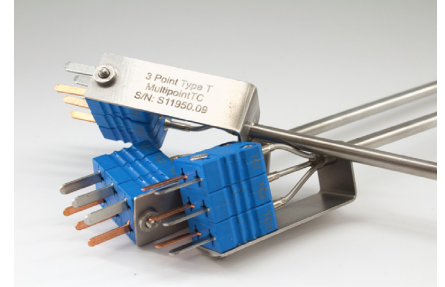
MINERAL-INSULATED THERMOCOUPLES

Pyrovia's 100 Series consists of mineral-insulated, metal-sheathed thermocouples manufactured for reliable temperature measurement in demanding industrial environments. Their compact construction provides durability and flexibility, with fast response across a wide range of applications.

Compacted mineral insulation supports and separates the conductors while promoting efficient heat transfer. Junction type, sheath material and diameter can be selected to balance response time, electrical isolation, mechanical protection and process compatibility.

AVAILABLE OPTIONS INCLUDE:

- Multiple sheath materials, diameters and lengths
- Grounded, ungrounded and exposed junction configurations
- Lead-wire, connector and connection-head terminations
- Standalone sensors or assemblies integrated with thermowells
- Standard configurations and application-specific designs



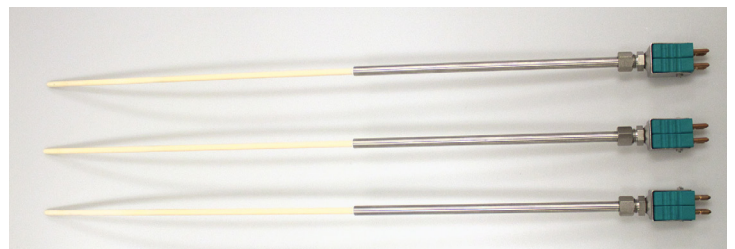
200 SERIES

INDUSTRIAL THERMOCOUPLE ASSEMBLIES

The 200 Series includes industrial thermocouple assemblies designed for elevated temperatures and demanding process conditions. Base-metal or noble-metal sensing elements can be combined with metallic or ceramic protection tubes. Materials and construction are selected according to the operating temperature, process environment and installation requirements.

AVAILABLE OPTIONS INCLUDE:

- Base-metal and noble-metal thermocouples
- Metallic and ceramic protection tubes
- Multiple connection-head and termination configurations
- Designs adapted to installation and operating requirements
- Custom assemblies supported by Pyrovia's in-house manufacturing capabilities



300 SERIES

INDUSTRIAL RTD ASSEMBLIES

Pyrovia's 300 Series includes industrial RTD assemblies for applications requiring stable, repeatable temperature measurement. Available constructions range from direct-lead sensors to complete assemblies incorporating connection heads, mounting fittings and protective components.

AVAILABLE OPTIONS INCLUDE:

- Multiple element, wiring and termination configurations
- Fixed or spring-loaded mounting arrangements
- Direct-lead, connector and connection-head designs
- Standard products and custom-built assemblies



400 SERIES

THERMOWELLS AND PROTECTION TUBES

The 400 Series includes machined thermowells and metallic or ceramic protection tubes that shield thermocouples and RTDs from direct process exposure while facilitating sensor inspection, maintenance and replacement.

AVAILABLE OPTIONS INCLUDE:

- Threaded, flanged and weld-in thermowells
- Straight, tapered and reduced-tip profiles
- Metallic protection tubes for industrial service
- Ceramic protection tubes for elevated-temperature applications
- Materials and dimensions selected according to process conditions and installation requirements



600 SERIES

TUBE AND WIRE THERMOCOUPLES

The 600 Series consists of tube-and-wire thermocouples designed for plastics processing, extrusion equipment and general production machinery. Their construction combines a rigid metal sensing tip with flexible lead wires for accurate placement and practical routing.

Available configurations include bayonet-mounted and melt-bolt designs, along with other application-specific mounting arrangements.



ACCESSORIES FOR SENSOR INSTALLATIONS

Pyrovia supplies the components required to install, connect and terminate thermocouple and RTD assemblies. Products are available for standard industrial applications, as well as high-temperature and specialized installations.

THERMOCOUPLE CONNECTORS

- Standard and miniature plugs and jacks
- Two-pole and three-pole configurations
- Common thermocouple types and colour codes
- High-temperature and ceramic versions
- Cable clamps, adapters and related hardware

THERMOCOUPLE CONNECTOR PANELS

- Standard and miniature connector formats
- Multiple circuit counts and panel arrangements
- Clean, serviceable connections for control panels and test installations
- Standard and high-temperature configurations

CONNECTION HEADS AND TERMINAL BLOCKS

- Aluminum, cast-iron, stainless-steel and plastic connection heads
- Terminal blocks for common wiring configurations
- Options for head-mounted transmitters
- Options available for general-purpose, hazardous-area and corrosive-environment applications

MOUNTING FITTINGS

- Adjustable and non-adjustable compression fittings
- Fixed and spring-loaded mounting arrangements
- Available in stainless steel, brass, aluminum and other metals
- Custom-machined adapters and mounting interfaces

THERMOCOUPLE AND EXTENSION WIRE

Thermocouple-grade and extension-grade wire is available for common thermocouple types, with conductor and insulation constructions selected for the operating environment.

Options include solid or stranded conductors, a range of insulation materials, high-temperature constructions and protective overbraids.



CUSTOM PRODUCTS AND IN-HOUSE CAPABILITIES



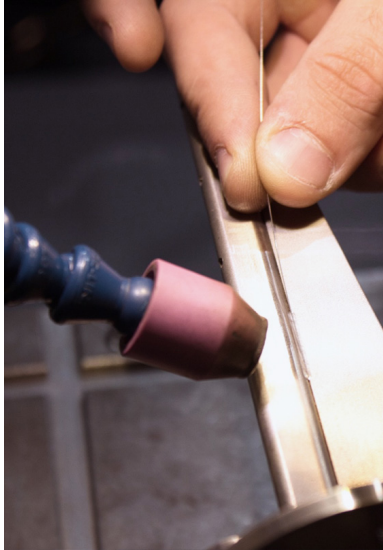
DESIGNED AROUND THE APPLICATION

Custom products are an integral part of Pyrovia's process solutions. When a standard configuration does not meet the installation, operating or interface requirements, our team can design and manufacture a solution tailored to the application.

Our integrated in-house capabilities provide greater control over dimensions, materials, manufacturing quality and repeatability.

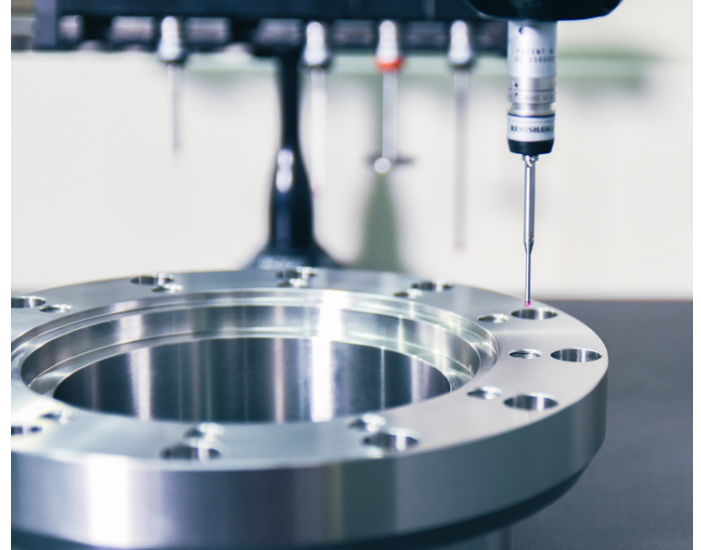
CUSTOM PRODUCT CAPABILITIES

- Custom thermocouple and RTD assemblies
- Special thermowells and protection components
- Custom-machined fittings, adapters and interfaces
- Application-specific mounting and termination configurations
- Replacement products for existing or legacy installations



IN-HOUSE MANUFACTURING

- Complete in-house CNC machining capabilities
- CAD/CAM-supported design and manufacturing
- Precision laser welding and controlled assembly
- Controlled fabrication of specialized components
- One-off parts and repeat production runs



DIMENSIONAL INSPECTION

Pyrovia's dimensional inspection capabilities support manufacturing quality from initial components through final verification. Coordinate measuring machine (CMM) inspection and controlled measurement processes help confirm that critical dimensions and interfaces meet project requirements.



PR ELECTRONICS PROCESS INSTRUMENTATION

Founded in 1974, PR electronics brings more than 50 years of expertise in industrial signal conditioning and process automation. Its devices are backed by a five-year manufacturer's warranty.

Pyrovia supplies selected PR electronics products for temperature measurement, signal conditioning and integration with industrial control systems.

Combined with Pyrovia temperature sensors and accessories, PR electronics instrumentation supports a complete measurement chain, from the sensing point to the control system.



PRODUCT CATEGORIES

- Head-mounted temperature transmitters
- DIN-rail temperature transmitters and signal conditioners
- Field-mounted indicators and transmitters
- Hazardous-area instrumentation
- Communication and configuration solutions
- Additional signal-conditioning and interface devices

COMPLETE TEMPERATURE MEASUREMENT SOLUTIONS

From the sensing element and thermowell to the wire, connector and transmitter, Pyrovia helps customers select and combine the components required for reliable, installation-ready industrial temperature measurement solutions.

TALK TO A SPECIALIST

Discuss your process temperature application, replacement needs or custom-product requirements with our team.