

The Company Behind the Sensors

Pyromation began operations in 1962 and has become one of the leading temperature sensor manufacturers in North America. The ISO 9001-registered firm and Lean Manufacturing enterprise custom designs and builds thermocouples, RTDs/PT100s, thermowells and sensor assemblies for customers around the world.

Pyromation's sensors can be found on equipment and in process applications in the chemical, petrochemical, power generation, food and beverage, dairy, plastics, heat-treating, oil and gas, pharmaceutical, aerospace, biomass, metal processing, rubber, mining, HVAC, water and wastewater, pulp and paper, textiles, incineration and many other industries.



Comprehensive Product Line and Solutions Pyromation's complete product line covers almost any temperature sensor need. Specific products meet domestic and international industry standards such as FM, CSA, ATEX, IECeX, and 3A, to name a few. Our regional sales rep and distributor partners carry total process solutions packages that include level, pressure, flow, PLCs and more.

Experience – Pyromation's Regional Sales managers average 25 years of experience in finding solutions for customer applications. The company's network of regional sales reps and distributors are also experts in the local areas and industries they serve.

Custom Designs – Dedicated product engineers and sales managers use the latest technology and industry knowledge in developing robust sensor solutions to meet unique customer specifications and/or applications.

Metrology Lab – Pyromation's on site NVLAP Lab Code 200502-0 Accredited Metrology Laboratory conducts temperature calibrations per customers' requirements, while also testing incoming materials for compliance to special limits. In addition, the lab performs NDT (Non-Destructive Testing) for the company's manufactured thermowells.

Special Packaging – Special handling, packaging, crating, customs documents or other requirements are easily integrated into the company's shipping procedures. Pyromation ships thousands of packages each week.

Delivery Options – Pyromation's standard order delivery time is four business days. Expediting options include:

- Same-day express orders
- 24-hour express orders
- 72-hour express orders

Private Labeling – Customer branding or identification is available on sensor assemblies upon request. The identification includes customer part numbers, logo and company name on tags, documentation and the sensors themselves.

Vertical Integration – Pyromation manufactures its own thermowells, as well as its design-patented connection heads. The company also conducts NDT on site through its Metrology Lab. These on-site capabilities help Pyromation ensure quality, control inventory, decrease costs and reduce lead time for orders.

Certifications – Documentation is available as required for customer orders:

Certificates of Compliance (CofC) – verifies sensors meet order specs

Material Test Reports (MTR) – provides material traceability

Certificates of Origin (CO) – documents country of origin for goods sold

Non-Destructive Testing (NDT) – reports provided for each type of test

Wake Frequency Calculations – reports summarize pass/fail calculations conducted by Pyromation engineers per customer specs for thermowell designs

Quality Assurance – As an ISO 9001-registered firm, Pyromation monitors quality throughout the organization. Each sensor is tested to ensure functionality, and final inspections verify correctness of orders prior to shipment. FM, UL, CSA, DNV, ATEX, IEC, NVLAP and 3A audit Pyromation's plant and processes on a periodic basis.



◀ **Mineral-Insulated Thermocouples**

(MgO – Magnesium Oxide) Base and noble metal types, multiple sheath diameters and lengths and a variety of sheath materials available.

RTDs (PT100s – PT1000s) ▶

Single and duplex elements, low and high temperature constructions, rapid response, high accuracy types.



◀ **Explosion-Proof RTDs & Thermocouples**

Fixed and spring-loaded elements for use in hazardous locations.

Food, Dairy, Beverage & Pharmaceutical Sensors ▶

Water-tight, CIP sanitary-connected types, tank sensors, penetration-style probes, fast-response sensors.



◀ **Industrial Thermocouples**

Base and noble metal types, sensor assemblies available with alloy, composite or ceramic protection tubes.

Plastic / Rubber Industry RTDs & Thermocouples ▶

General-purpose, ring style, threaded nozzle, melt-bolt and adjustable immersion type sensors.



◀ **Specialty Sensors**

Heat-tracing, abrasion-resistant, rubber compound mixer, averaging, magnet, multi-point, miniature (bearing) sensors and more.

Bi-Metal Thermometers ▶

CIP sanitary and general-purpose types.



◀ **Thermowells**

Standard, heavy-duty, flanged, sanitary, weld-in, Van Stone, limited-space, reduced-tip and many other types.

Connection Heads ▶

Stainless steel, aluminum, iron and plastic, general-purpose, Explosion -Proof (XP) and flip-top styles.



◀ **Transmitters**

Programmable, HART® protocol, hazardous-location-rated, dual input and display types.

Wire & Accessories ▶

Pipe bushings, fittings, flanges, nipples, plugs, jacks, bare and insulated wire, and more.

