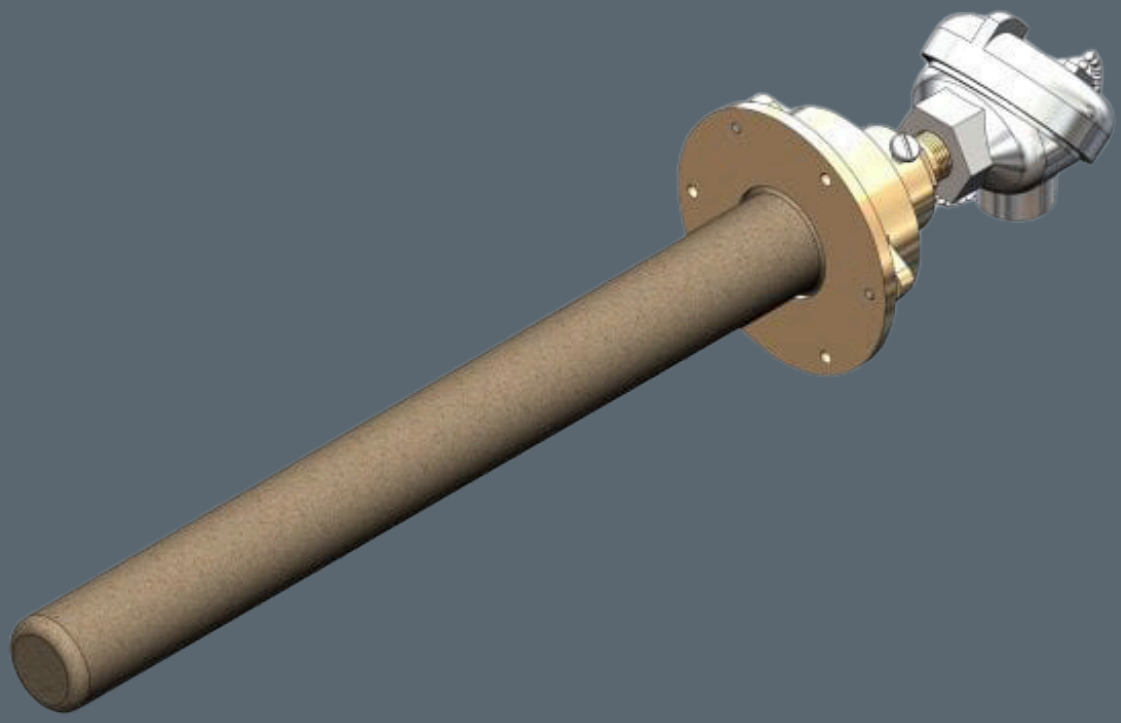
# 596 Noble metal support casting w-SiC PT thermocouple assembly



**Overview**

A high temperature Noble metal thermocouple assembly, the model 595's elements are provided to match the ITS 1990 curve. 24 gauge (0.020″) wire is standard with other gauges available. Insulators and protection tubes with cemented hex nipple and are made of alumina, mullite or recrystallized silicon carbide. Cast iron or aluminum screw cover heads are standard, with a porcelain collar installed for vertical applications.

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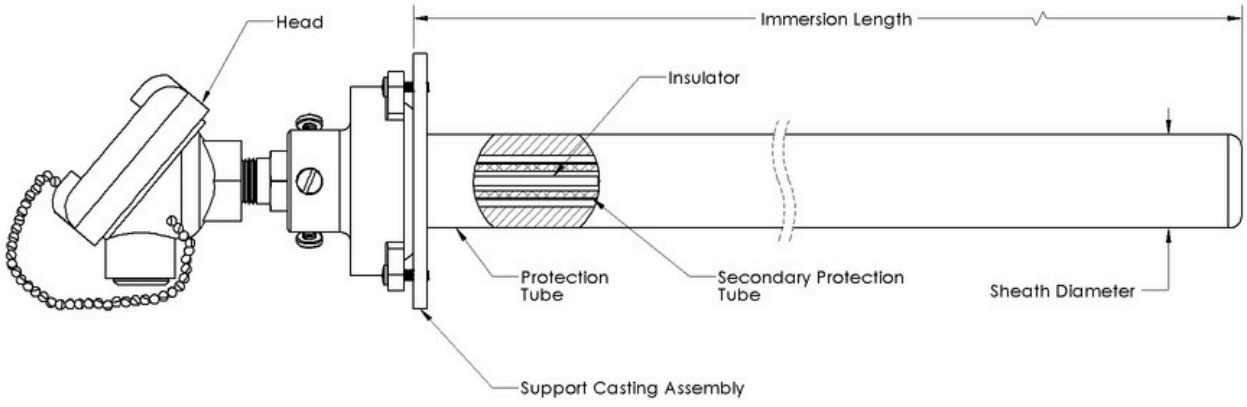
# Technical specification

| Feature | Description |
|---|---|
| Sensor type | High temperature Noble metal assembly |
| Tube length | 6" to 48" in increments of 6" |
| Insulator material | Alumina (A), mullite (M) |
| Optional inner tube | Standard 1/4" x 3/8", mullite (M), alumina (A) or no inner tube (O) |
| Primary tube | Standard 7/16" x 11/16", mullite (M), alumina (A) |
| Secondary tube | Mullite (M), alumina (A), silicon carbide (SC) or none (O) |
| ANSI calibration | R, S, B |
| Accuracy | Standard limits of error, special limits of error (reference grade) |
| Number of circuits | 1, 2 |
| Hex fitting | 1/2" x 3/4", steel |
| Head material | Standard cast iron, aluminum |
| Accessory | Optional split brass flange |



## About Ultra Energy

Organizations working with nuclear and industrial technologies must deliver reliable production at the same time as safeguarding people, the environment and infrastructure. We develop and manufacture measurement and control solutions that give our customers complete, long-term control over systems operating in harsh environments, helping them operate safely and increasing the value derived from their investments over their total lifespan.

Part of Curtiss-Wright, Ultra Energy has worked with nuclear and industrial customers for over 60 years. We support customers across the world from facilities located in the US and UK. Our solutions are embedded in strategic national infrastructure and our people are active partners in customer programs that are focused on delivering advanced future nuclear and industrial capabilities.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