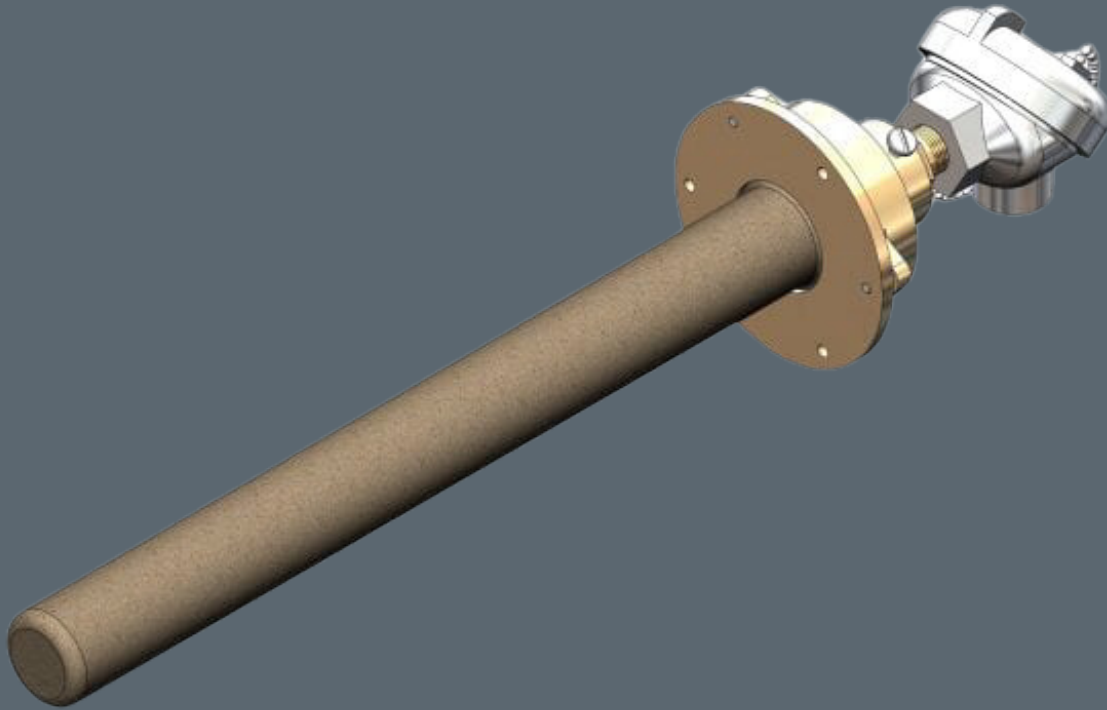


# 596 Noble metal support casting w-SiC PT thermocouple assembly

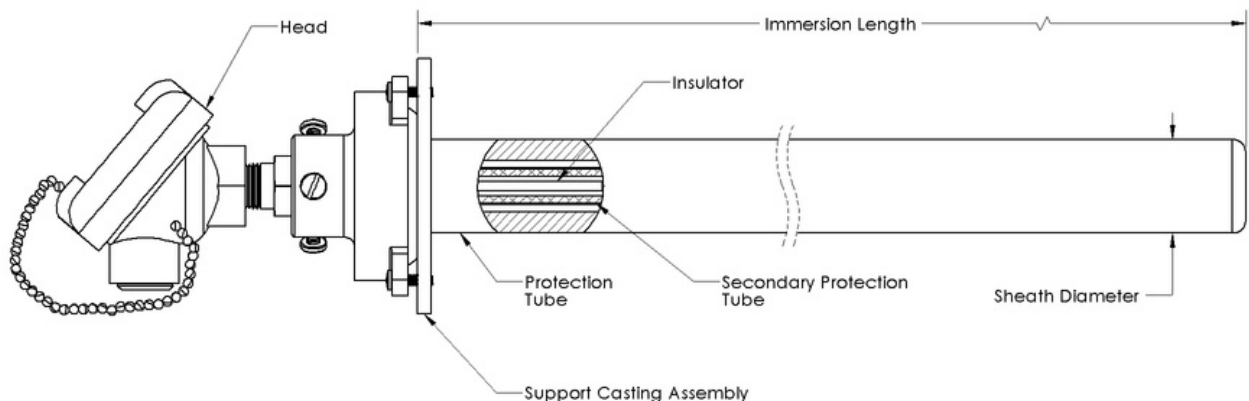


## Overview

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.

## 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

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Part of Ultra Group, a global electronics company, 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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