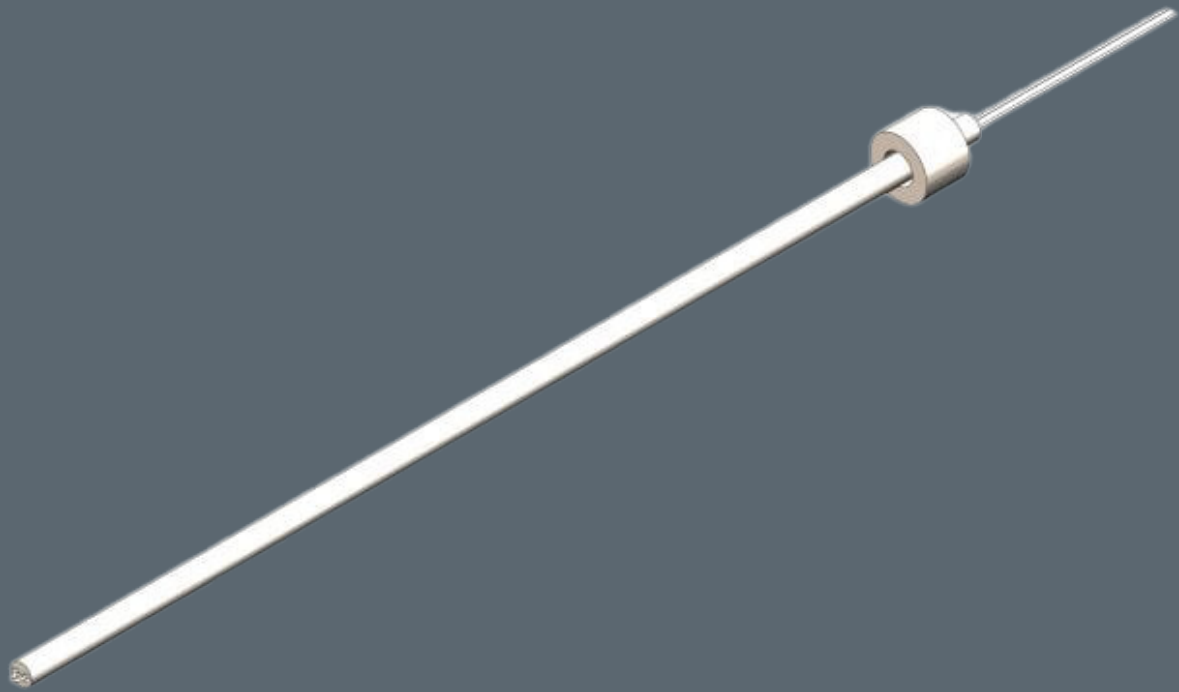


# 27X insulated Noble metal element thermocouple with collar

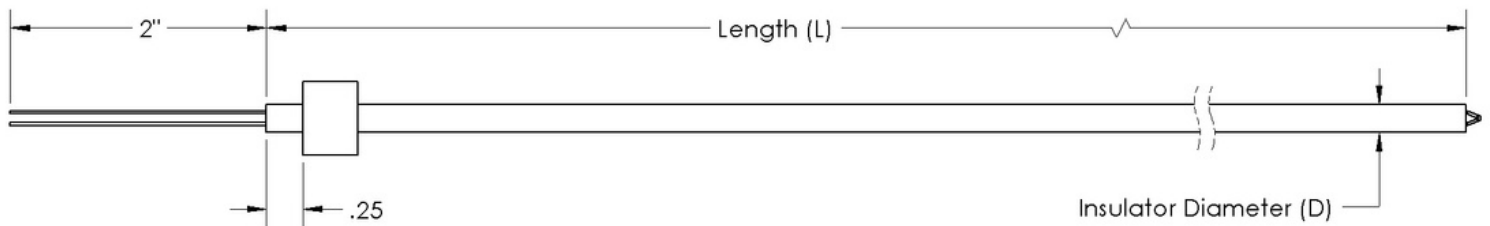


## Overview

A high temperature Noble metal thermocouple, elements are provided to match the ITS 1990 curve. 24 gauge (0.020") wire is standard with other gauges available. Insulators are made of alumina, mullite, or hafnia ceramics. Termination can be bare strip, color coded sleeves, fishspine insulators or copper sleeves. Porcelain collar installed for vertical applications

# Technical specification

Feature	Description
Model number	273R, 275RR, 272S, 272SS, 275B, 275BB, 277C, 277CC
Sensor type	High temperature Noble metal
Insulator material	Alumina (A), mullite (M) or hafnia (H)
Insulator diameter	Standard 3/16", with 1/8" option
ANSI calibration	R, S, B, C
Accuracy	Standard limits of error, special limits of error (reference grade)
Number of circuits	1, 2
Termination	Bare strip (O), color coded sleeves (C), fishspine insulators (F), copper sleeves



## 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 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.

## United States of America

707 Jeffrey Way  
Round Rock  
Texas 78665-2408  
USA

Tel: +1 512-434-2800

## United Kingdom

Innovation House  
Lancaster Road  
Ferndown Industrial Estate  
Wimborne  
Dorset BH21 7SQ  
UK

Tel: +44 (0) 1202 850 450

## For more information

Web: [ultra.energy](http://ultra.energy)  
Email: [sales@ultra.energy](mailto:sales@ultra.energy)