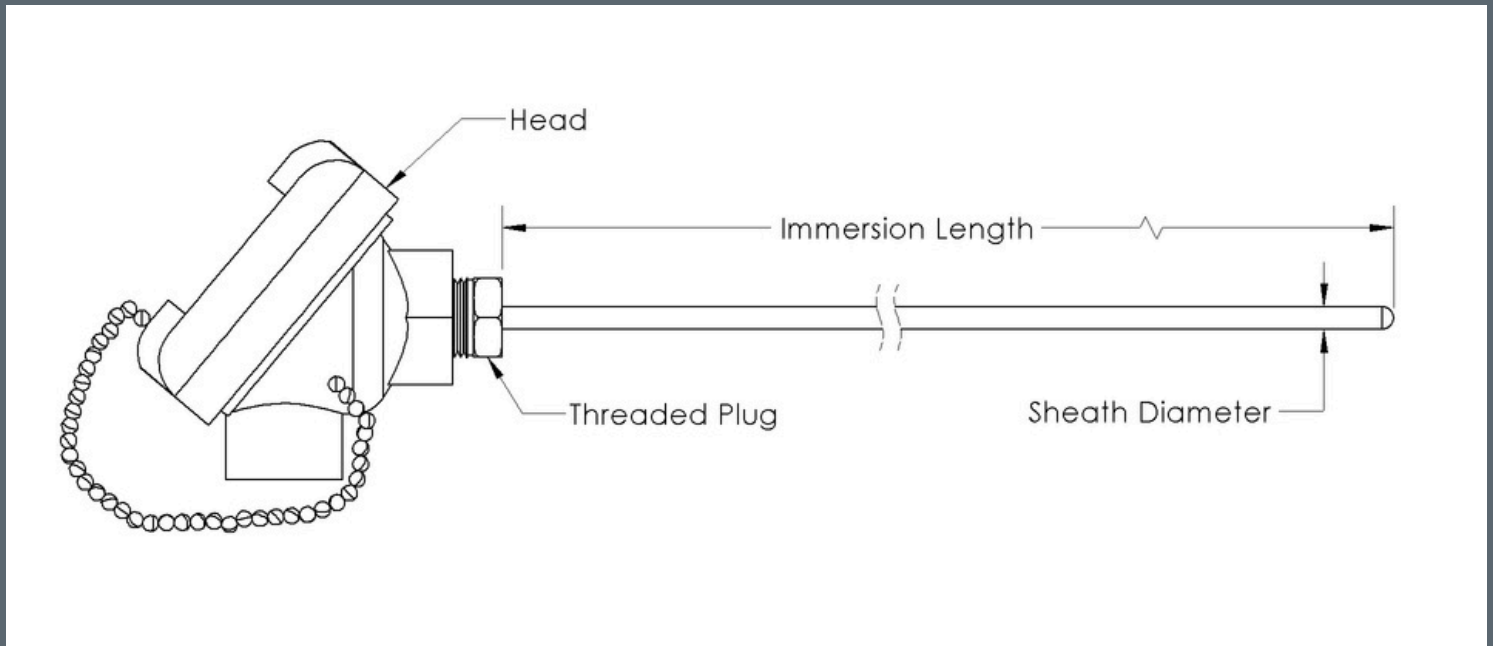


# 753 MgO cast iron head with hex plug thermocouple assembly



## Overview

Mineral insulated (MgO) thermocouple assemblies are metal sheathed, magnesium oxide insulated temperature sensing elements. These small, compact units are moisture proof, non-porous, and pressure resistant. They are available with single or dual elements and are noted for accuracy and fast response. These thermocouple assemblies come in a large variety of sheath materials and calibrations. Installation is made easier because mineral insulated thermocouple assemblies are bendable to practically any contour. The metal sheath is made of durable alloys and can be welded.

# Technical specification

Feature	Description
Sensor type	MgO thermocouple
Diameter	1/8", 3/16", 1/4", 5/16", 3/8", 1/2"
ANSI calibration	K, N, J, E, T
Accuracy	Standard limits of error, special limits of error
Sheath material	304 SS, 316 SS, 310 SS, Inconel 600, 446, Hastelloy and others available
Junction	Ungrounded, grounded, exposed
Number of circuits	1, 2
Termination	Cast iron screw cover head
Accessories	Compression fitting: 1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT

## 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.

## 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)