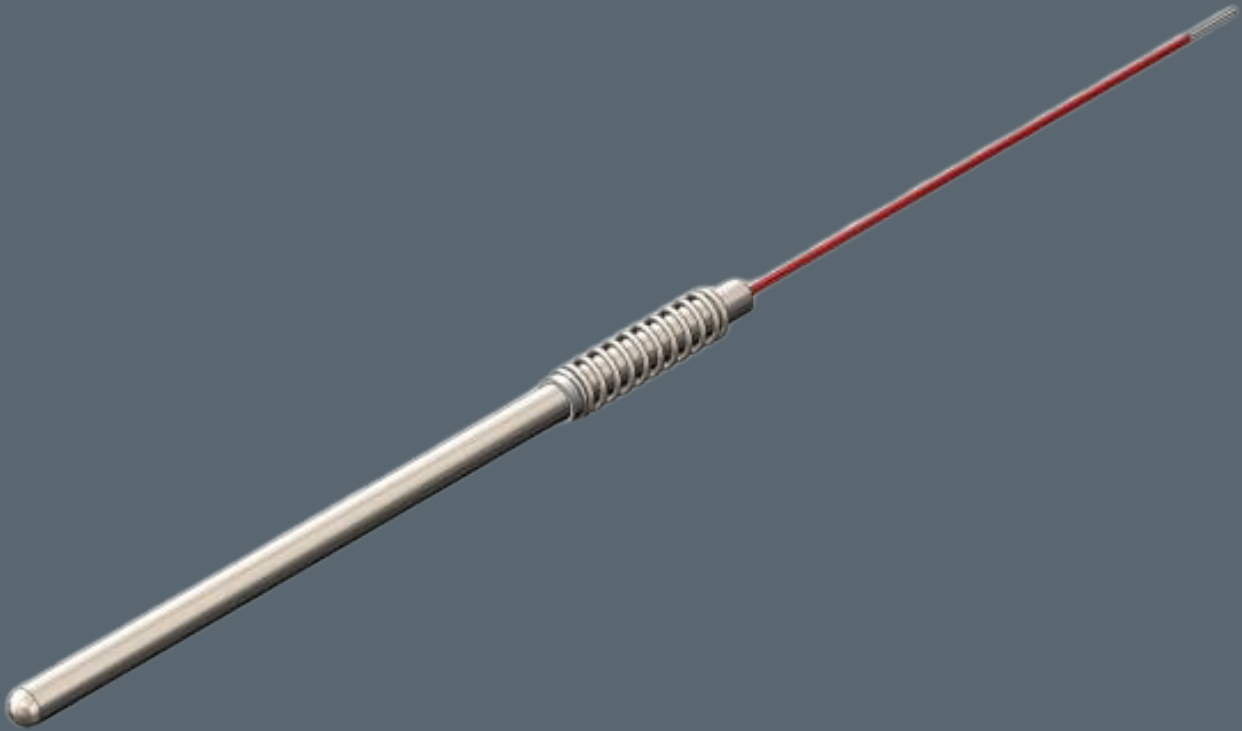


302 and 303 spring loaded RTD



Overview

Designed for applications where a general purpose head and a thermowell are required. The spring loaded action of this RTD ensures proper contact with the tip of the thermowell for maximum heat transfer.

Key features

- Model 302 is a spring loaded temperature sensor intended to be used in a thermowell. Refer to Model 301 for explosion proof connection head applications. Refer to Model 305 if spring loaded hex fitting is required.
- Model 303 is a spring loaded, tip sensitive temperature sensor. The tip sensitive design is ideal for bearing temperature applications. Refer to Model 304 for cast iron explosion-proof connection head applications. Refer to Model 102 if spring-loading is not required.

Technical specification

Feature	Description
Element type	Standard platinum, 100 ohms @ 0C (32F), .00385 TCR, with optional Pt Ro and TCRs available
Accuracy	Standard DIN-B, with optional DIN-A and others available upon request
Construction	Standard 500°F service temperature, with optional high temperature and rugged constructions available
Fittings	Standard 1/2" NPT Hex Nipple, with optional fittings with various NPT connections available
Lead wire configuration	Standard 3 Wire, with optional: 2, 4, 6 or 8 wire
Sensor sheath diameter	Standard 1/4" diameter, with optional 1/8", 3/16" and others available
Lead wire length	Standard 6", with custom length available
Connections	Options of standard and miniature sizes, as well as standard and high temperature ratings
Fittings	Optional compression and spring loaded fittings with various NPT connections
Insulation resistance	Greater than 100 Megohms @ 100VDC @ 21C (70F)

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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