

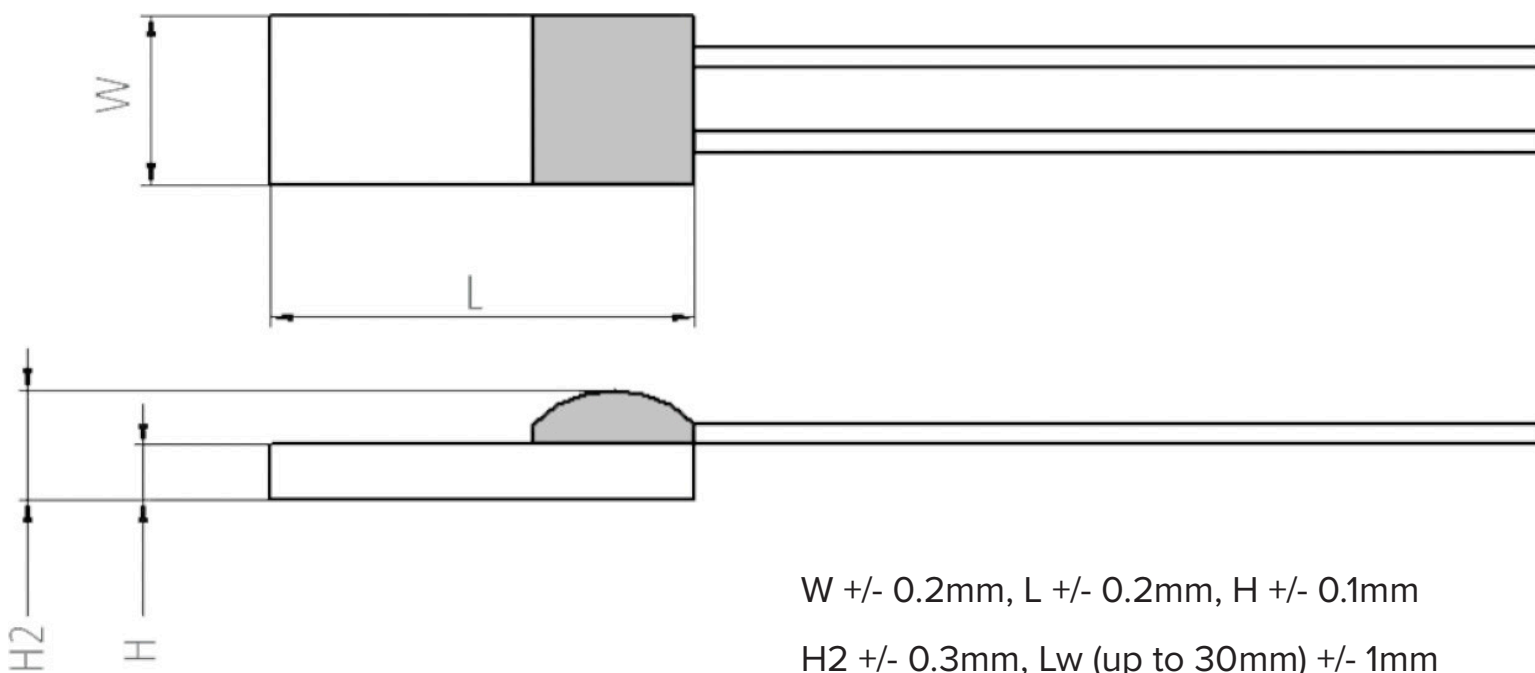
# PT-100

Platinum Thin-Film Thermometer



## Benefits & Characteristics

- Excellent Long-Term Stability
- Low Self-Heating
- Fast Response Time
- Miniature In Size
- Vibration and Temperature Shock Resistant



## Technical Specifications

- Operating Temperature Range | -200°C to +300°C
- Tolerance Class | ITS 90 Class A - IEC 60751 F0.15
- Nominal Resistance | 100  $\Omega$  at 0° C
- Characteristics Curve | 3850 ppm/K
- Long-Term Stability | < 0.04% at 1000h at maximal operating temperature
- Recommended Applied Current | 1mA at 100  $\Omega$

# PT-100

## Platinum Thin-Film Thermometer

Probe Assemblies can be designed, built, and tested as specified by the customer. Price quotation furnished upon review of the specification.



## Mounting Options

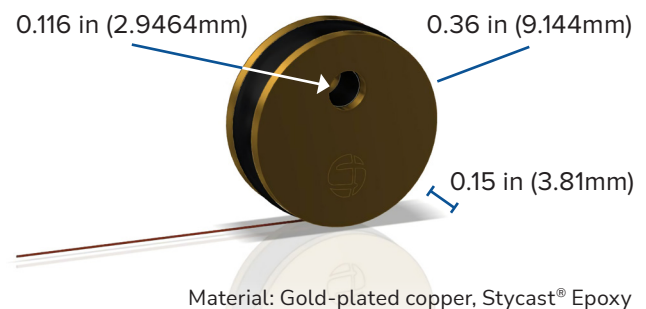
### Features

- Interchangeability
- Repeatability
- NIST Traceable
- Long Term Stability

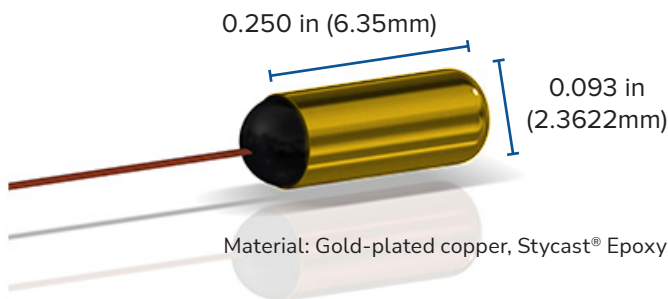
### Physical Specifications

- Gold Plated OFHC Copper Enclosure, Dia. 0.093" (2.4mm) x Length 0.250" (5.1mm)
- Standard configuration Phosphor Bronze lead wire, 4-leaded, Polyimide coated, 36 AWG

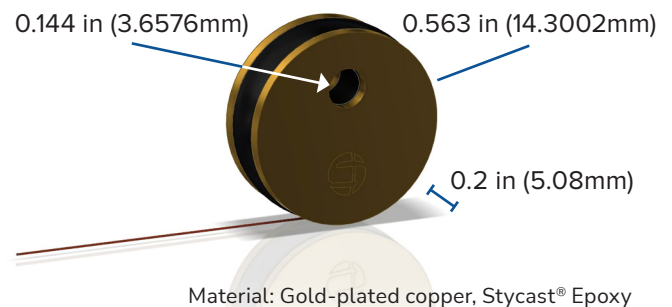
## Model 22 Bobbin



## Canister Package



## Model 25 Bobbin



## Four-Wire Options

- \* 36 AWG Copper, Twisted Insulation: Teflon
- \* 36 AWG Phosphor-Bronze, Bonded Insulation: Polyimide
- \* 30 AWG Phosphor-Bronze, Bonded Insulation: Polyimide

- \* 30 AWG Copper, Twisted (Model 25 Only) Insulation: Teflon

- \* 32 AWG Phosphor-Bronze, Bonded Insulation: Polyimide

\*Two-Wire Configurations Available Upon Request