

# Bolt-On Temperature Sensors

Rugged, removable, and reusable

## Overview

Bolt-on temperature sensors are designed for easy installation in industrial and commercial environments. They can be mounted on machines, against process pipes, or embedded directly into a machined part. Threaded fasteners install in seconds and can be easily removed for installation at another location.

These sensors are ideal for process control measurements, test and verification of existing systems, and retrofitting existing machines. Standard designs allow prototyping without high setup costs, while significant discounts are available for OEM quantities.

Standard platinum and nickel RTD elements provide stable and reliable output compatible with most control and monitoring systems. Physically interchangeable designs allow you to easily customize your installation to different instrumentation. Minco can also provide custom RTD, thermistor or thermocouple elements in these packages, or specialized case designs to meet your application needs.

- Removable and reusable
- Wide temperature range
- Configurations to fit most applications

## Specifications

**Design kit part number:**

S101732PE2T40.



**Temperature range:** -50 to 260°C (-58 to 500°F).

**Dimensions W × L × T (max.):** 0.265" (6.7 mm) ID ring lug.

**Element options:** PD, PE, PF, NB.

**Case material:** Nickel plated copper.

**Leadwire:**

2 lead: AWG 24.

3 lead: AWG 26, PTFE insulated.

**Time constant:** Less than 10 seconds in moving water.

**Insulation resistance:** 10 megohms minimum at 100 VDC, leads to case.

**Vibration:** Withstands 10 to 2000 Hz at 20 G's minimum per MIL-STD-202. Method 204, test condition D.

## Available element options

Element specifications*	Code
Platinum 385, 100 Ω ±0.12% at 0°C (EN60751, Class B)	PD
Platinum 385, 100 Ω ±0.36% at 0°C	PE
Platinum 385, 1000 Ω ±0.12% at 0°C	PF
Nickel 618, 100 Ω ±0.22% at 0°C (DIN43760 NI100, Class B)	NB

## Specification options

S101732	Model number
PE	Element code from table
2	Number of leads: 2 or 3: 2 leads not recommended for PD models
T	Leadwire covering: T = PTFE S = Stainless steel braid over PTFE insulated leads
40	Leadwire length in inches: 40" (1000 mm) standard
S101732PE2T40 = Sample part number	