






Bolt-on Temperature Sensors

	Dimensions W x L x T (max.)	Temp. range	Element options	Case material	Leadwire	Model
	0.50 x 1.00 x 0.188" (12.7 x 25.4 x 4.8 mm) w/ 0.161" (4.1 mm) diameter hole	-70 to 500°C (-94 to 932°F)	PD, PF	Stainless steel	AWG 22, Mica-glass insulated	<input type="checkbox"/> S101730
	0.29 x 1.25 x 0.188" (7.4 x 31.8 x 4.8 mm) with 0.161" (4.1 mm) hole	-70 to 500°C (-94 to 932°F)	PD, PF	Stainless steel	AWG 22, Mica-glass insulated	<input type="checkbox"/> S101731
	0.265" (6.7 mm) ID ring lug	-50 to 260°C (-58 to 500°F)	PD, PF	Nickel plated copper	2 lead: AWG 24, 3 lead: AWG 26, PTFE insulated	<input type="checkbox"/> S101732
	0.50 x 0.375 x 0.188" (12.7 x 9.5 x 4.8 mm) with 0.166" (4.2 mm) hole	-50 to 260°C (-58 to 500°F)	PD, PF	Stainless steel	2 lead: AWG 24, 3 lead: AWG 26, PTFE insulated with SS braid cover	<input type="checkbox"/> S101733
	1/4" - 20 x 3/8" long thread with 7/16" hex head	-50 to 260°C (-58 to 500°F)	PD, PF	Stainless steel	2 lead: AWG 24, 3 lead: AWG 26, PTFE insulated with SS braid cover	<input type="checkbox"/> S101734
	M6 x 1 thread, 10 mm long, with 10 mm hex					<input type="checkbox"/> S101797

Overview

Bolt-on temperature sensors are designed for easy installation in industrial and commercial environments. The sensors 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 large 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
- Standard 100 Ω platinum, 1000 Ω platinum and 100 Ω nickel elements



STOCKED PARTS AVAILABLE

Specification and order options:

S101732	Model number from table
PD	Element code from table
3	Number of leads: <input type="checkbox"/> 2 or 3 2 leads not recommended for PD models
S	Leadwire covering: <input type="checkbox"/> G = Mica-glass (S101730 and S101731) <input type="checkbox"/> T = PTFE (S100722, S101732, S101733, S101734, and S101797) <input type="checkbox"/> S = Stainless steel braid over PTFE insulated leads (S100722, S101732, S101733, S101734, and S101797)
40	Leadwire length (inches): 40" (1000 mm) standard <input type="checkbox"/> 40, 120
S101732PD3S40 = Sample part number	

Specifications

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.

Element specifications*	Code
Platinum (0.00385 TCR) (EN60751, Class B)	100 Ω ±0.12% at 0°C <input type="checkbox"/> PD
Platinum (0.00385 TCR)	1000 Ω ±0.12% at 0°C <input type="checkbox"/> PF
Nickel 0.00618 TCR)	100 Ω ±0.22% at 0°C NB

*See descriptions for element options on each model.

STANDARD OPTIONS
Specifications subject to change

Minco Global Headquarters
7300 Commerce Lane North
Minneapolis, MN 55432
Tel 763.571.3121 | Fax 763.571.0927
custserv@minco.com

Minco Europe
Tel (33) 5 61 03 24 01
Fax (33) 5 61 03 24 09
custserv.europe@minco.com

Minco Asia Pacific
Tel +(65) 6635 6738
Fax: +(65) 6635 6724
custserv.ap@minco.com

Minco China
Tel +86 10 58783151
Tel +86 10 58783153
Fax: +86 10 58783177
custserv.china@minco.com

Minco Japan
East Office
Tel (81) 44 712 5061
Fax (81) 44 712 5062
custserv.japan@minco.com
West Office
Tel (81) 6-6121-2462
Fax: (81) 6-6121-2463
custserv.japan@minco.com

ISO 9001:2008 / AS9100: 2009
TS22545 v.1
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