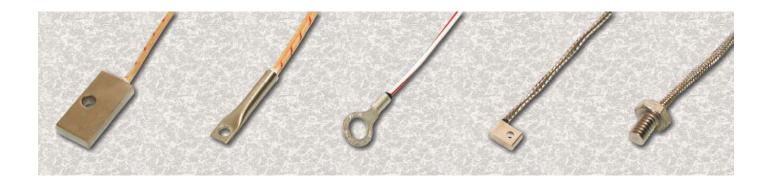


Bolt-On Temperature Sensors



- Removable and reusable
- ◆ Temperature limits to 500°C maximum and -70°C minimum
- Configurations to fit most applications
- Standard 100 Ω platinum, 1000 Ω platinum and 100 Ω nickel elements

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 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.

The 500°C versions feature high temperature mica-glass insulated leads and the 260°C models are built with flexible TFE Teflon insulated leads. All models are available with optional stainless steel braid over the leadwires to provide optimum protection from abrasion and breakage.

Minco Bulletin RT-15

Tel: (763) 571-3121 ♦ Fax: (763) 571-0927 ♦ www.minco.com

Standard models

Model	Style	Dimensions	Temperature range	Element options	Case material	Leadwire insulation
S101730	0	0.188 x 0.50 x 1.00" (4.8 x 12.7 x 25.4mm) with 0.204" (5.2mm) diameter hole	-94 to 932°F (-70 to 500°C)	PD, PF, PW	Stainless steel	AWG 22 (0.355 mm²) Mica-glass insulated
S101731		0.188 x 0.29 x 1.25" (4.8 x 7.4 x 31.8mm) with 0.161" (4.1mm) hole	-94 to 932°F (-70 to 500°C)	PD, PF, PW	Stainless steel	AWG 22 (0.355 mm²) Mica-glass insulated
S101732		0.265" (6.7mm) ID ring lug	-58 to 500°F (-50 to 260°C)	PD, PF, NB	Tin plated copper	AWG 26 (0.141mm²) Teflon insulated
S101733	2	0.188 x 0.375 x 0.50" (4.8 x 9.5 x 12.7mm) with 0.161" (4.1mm) hole	-58 to 500°F (-50 to 260°C)	PD, PF, NB	Stainless steel	AWG 26 (0.141mm²) Teflon insulated
S101734		1/4-20 x 3/8" long thread with hex head	-58 to 500°F (-50 to 260°C)	PD, PF, NB	Stainless steel	AWG 26 (0.141mm²) Teflon insulated
S101797		M6 x 1 thread, 10mm long, with 10mm hex				

How to order

S101732	Model number from table above		
PD	RTD element code $PD = 100 \ \Omega \pm 0.12\% \ platinum \\ TCR = 0.00385 \ (per \ IEC751)$ $PF = 1000 \ \Omega \ platinum \\ TCR = 0.00385 \ (10x \ IEC751)$ $PW = 1000 \ \Omega \ platinum \\ TCR = 0.00375 \\ (HyCal/Honeywell \ special)$ $NB = 100 \ \Omega \ nickel \\ TCR = 0.00618 \ (per \ IEC 751)$		
3	Number of leads		
	2 or 3 leads available for all models		
S	Leadwire covering T = Teflon (S101732, S101733 and S101734) G = Mica-glass (S101730 and S101731) S = Stainless steel braid over insulated leads		
40	Leadwire length in inches 40" (1000 mm) standard		
S101732PD3S36 ← Sample P/N			

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.



Minco Products, Inc. (Main Office)

7300 Commerce Lane Minneapolis, MN 55432-3177 U.S.A.

Tel: (763) 571-3121 Fax: (763) 571-0927

Stock order desk: Tel: (763) 571-3123 Fax: (763) 571-9142

Internet: sales@minco.com www.minco.com

Minco S.A. Usine et Service Commercial, Z.I. 09310 Aston, France Tel: (33) 5 61 03 24 01 Fax: (33) 5 61 03 24 09

Minco EC Hirzenstrasse 2 CH-9244 Niederuzwil Switzerland Tel: (41) 71 952 79 89 Fax: (41) 71 952 79 90