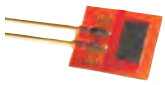
Temperature Sensors

Fast response and easy installation

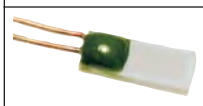
Minco is a leading manufacturer of temperature sensors. We have hundreds of common model configurations in stock for immediate shipment. Below is a selection of popular sensors for use with our heaters and controllers. For price and availability of Minco's complete line of sensors and controllers please contact Mod-Tronic Instruments at 1-800-794-5883.

Thermal-Ribbon™ RTDs, Thermocouples and Thermistors

Flexible Thermal-Ribbons mount easily to surfaces, alongside heaters or on top of them.
All are available with PSA (pressure sensitive adhesive).

	Model	Material	Dimensions	Temperature
	**S665PDY40A*** (100 Ω) **S665PFY40A*** (1000 Ω) **TS665TFY40A*** (50 k Ω at 25°C NTC thermistor)	Polyimide substrate with elastomer cover, 2 or 3 PTFE leads	0.2" × 0.5" (5 × 12 mm) Lead length: 40" (1000 mm)	-50 to 155°C -58 to 311°F (except TS665 to 125°C/257°F)
	**S667PDY40A*** (100 Ω) **S667PFY40A*** (1000 Ω) (Available with 2 leads only) Immersible	Silicone rubber substrate with elastomer cover, 2 silicone rubber leads	0.2" × 0.6" (5 × 15 mm) Lead length: 40" (1000 mm)	-50 to 155°C -58 to 311°F
	**S17624PDYT40A*** (100 Ω) **S17624PFYT40A*** (1000 Ω) **S17624PSYT40A*** (10,000 Ω) Wide temperature range	Polyimide substrate and cover, 2 or 3 PTFE leads	0.2" × 0.6" (5 × 15 mm) Lead length: 40" (1000 mm)	-50 to 200°C -58 to 392°F
	**S467PDY36A*** (100 Ω) **S468PFY36A*** (1000 Ω) Flexible model designed for moist environments	Silicone rubber body, 2 or 3 rubber leads	S467: 0.5" × 1.5" (13 × 38 mm) S468: 0.5" × 3.0" (13 × 76 mm) Lead length: 36" (900 mm)	-62 to 200°C -80 to 392°F
	**S651PDY24A*** (100 Ω) Miniature spot sensor with wire-wound RTD element	Polyimide with foil backing 2 or 3 PTFE leads	0.30" × 0.30" (7.6 × 7.6 mm) Lead length: 24" (600 mm)	-200 to 200°C -328 to 392°F
	**TC40JT36A*** (Type J) **TC40KT36A*** (Type K) **TC40TT36A*** (Type T) Patch-style thermocouple	Polyimide with PTFE leads	0.75" × 0.75" (19 × 19 mm) Lead length: 36" (900 mm)	-200 to 200°C -328 to 392°F

RTD probes and elements

	Model	Material	Dimensions	Temperature
	**S614PDY12T*** (100 Ω) **S614PFY12T*** (1000 Ω) *General purpose encased sensor*	Stainless steel, 2 or 3 PTFE leads	0.188" ø x 2" long 4.8 ø x 51 mm long Lead length: (300mm)	-269 to 260°C -452 to 500°F
	**S853PD120Y36*** (100 Ω) *Tip sensitive probe*	Stainless steel with copper alloy tip, 2 or 3 PTFE leads	0.250" ø x 12" long 6.4 ø x 305 mm long (other lengths available) Lead length: 36" (900mm)	-50 to 260°C -58 to 500°F
	**S245PD12** (100 ± 0.12Ω) **S245PD06** (100 ± 0.06Ω) **S247PF12** (1000 ± 0.12 Ω) **S247PF06** (1000 ± 0.06 Ω)	Ceramic/glass body, silver leads	S245: 0.08" x 0.09" (2.0 x 2.3mm) S247: 0.08" x 0.20" (2.0 x 5.0mm) Lead length: 0.6" (15mm)	-70 to 400°C -94 to 752°F
	S270PD12 (100 ± 0.12Ω) **S270PD06** (100 ± 0.06Ω) *High temperature, high precision element*	Ceramic body, platinum leads	0.047" ø x 0.59" long (1.28 ø x 15mm long) Lead length: 0.4" (10mm)	-200 to 850°C -328 to 1562°F

Note: Except where noted, all RTDs have 100 ± 0.12% Ω platinum element, TCR = 0.00385 Ω/Ω/°C (pt100 per IEC 751 Class B).
Part number codes: For Thermal-Ribbons only, change the "A" to "B" for acrylic PSA backing. Change "Y" to "Z" for 3-lead model.

Specifications subject to change

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