





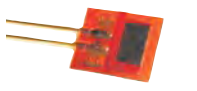

Temperature Sensors

Fast response and easy installation



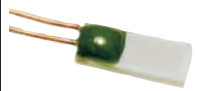

Minco is a leading manufacturer of temperature sensors. We have hundreds of common model configurations in stock for immediate shipment. Below is a selection of popular sensors for use with our heaters and controllers. For price and availability of Minco's complete line of sensors and controllers please 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) <i>General purpose encased sensor</i> | Stainless steel, 2 or 3 PTFE leads | 0.188" ø × 2" long 4.8 ø × 51 mm long Lead length: (300mm) | -269 to 260°C -452 to 500°F |
|  | S853PD120Y36* (100 Ω) <i>Tip sensitive probe</i> | Stainless steel with copper alloy tip, 2 or 3 PTFE leads | 0.250" ø × 12" long 6.4 ø × 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" × 0.09" (2.0 × 2.3mm) S247: 0.08" × 0.20" (2.0 × 5.0mm) Lead length: 0.6" (15mm) | -70 to 400°C -94 to 752°F |
|  | S270PD12 (100 ± 0.12Ω) S270PD06 (100 ± 0.06Ω) <i>High temperature, high precision element</i> | Ceramic body, platinum leads | 0.047" ø × 0.59" long (1.28 ø × 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