Molded Silicone Adhesive RTD Sensor

Omega's SAP-RTD-Series are designed to take surface temperature measurements. These RTD sensors are ideal for both flat and curved surfaces. The integral RTD element is bonded onto the inner surface of the exposed silicone material, providing faster temperature response. These are available in 100 Ω element configuration. The temperature range is -50 to 200°C (-58 to 392°F). Applications include hot plate measurements, pipe measurements, and these can be connected directly to instrument casings or motor housings to obtain an accurate temperature reading.

SAPC-*

SAPF-*

Features

- **Made of Silicone Rubber for excellent flexibility**
- **Self-Adhesive thin backing to increase response time**
- **Attach directly to clean surface for accurate temperature measurement**
- **Made for one-time placement on surface via self-adhesive pad**
- **Compact design, ideal for space constraints**
- **Temperature rating -50 to 200°C (-58 to 392°F)**
- **100 Ω RTD platinum element, 4-wire configuration**
- **Stripped leads standard, connector options available**
- **Wire is 26 AWG, stranded, PFA-coated**

Specifications

Temperature Range	-50 to 200°C (-58 to 392°F)
Material of Construction	Silicone pad PFA-coated lead wire, 24 AWG
Measuring element	100 Ω Platinum RTD (4-wire leads)
Mounting Style	Surface mount (Adhesive) for flat or curved surfaces
Wire length	40, 80, 120-inch standard. Other lengths available
Termination	Stripped ends (connector options available)
Pad Designation	**SAPC**= pad for curved surfaces; **SAPF**= pad for flat surfaces
Dimensions	SAPC: 0.59 X 1.97 X 0.29 in (15 x 50 x 7.4 mm) SAPF: 1.41 x 0.48 x 0.29 in (35 x 12 x 7.4 mm)

Ordering Example: **SAPC-RTD-4-100-A-80**: self-adhesive silicone RTD sensor, 100 **Ω**, 80 inches of PFA-coated lead wire with 4-wire stripped leads.