The Series S Surface Mount Temperature Sensors provide a cost effective and reliable solution for surface contact temperature measurement of conditioned water pipes, low pressure steam or refrigerant lines. The sensors are ideal for applications where immersion wells are not practical to install. Models are constructed with a 2" (50 mm) 304 SS probe and a 6 ft (1.8 m) plenum rated cable. Nylon ties are included to secure the sensor to the pipe.

### Model | Sensor Type | Insertion Length
--- | --- | ---
S-11 | Pt 100 Ohm RTD | 6''
S-12 | Pt 1000 Ohm RTD | 6''
S-13 | Ni 1000 Ohm RTD | 6''
S-14 | 1000Ω Balco RTD | 6''
S-15 | 10 kΩ NTC Thermistor | 6''
S-16 | 3 kΩ NTC Thermistor | 6''
S-17 | 5 kΩ NTC Thermistor | 6''
S-18 | 100 kΩ NTC Thermistor | 6''
S-19 | 20 kΩ NTC Thermistor | 6''
S-1A | 225Ω NTC Thermistor | 6''

### SPECIFICATIONS
- **Accuracy:**
  - Platinum RTD: ±0.0.1% @ 32°F (0°C), alpha 385 per DIN 43760.
  - Nickel RTD: ±0.5°F @ 70°F (21.1°C).
  - Balco: ±0.5°F @ 70°F (21.1°C).
  - Thermistor: ±0.2°C interchangeable @ 77°F (25°C).
- **Operating Temperature:** -32 to 250°F (-35.5 to 125°C).
- **Probe Diameter:** 1/4" (6.3 mm).
- **Probe Length:** 2" (50 mm).
- **Probe Material:** 304 SS.

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The Series I2-1 Immersion Temperature Probes are designed to monitor the hot and chilled water lines throughout a building’s water distribution loop. The multiple temperature sensor outputs allow these sensors to connect to virtually any digital building controller. The Series IW2 stainless steel thermowells allow the temperature sensors to be replaced without draining the water line. The temperature sensors are available in 4" and 6" insertion lengths.

**Note:** A Series IW2 Thermowell must be used on pressurized air and water lines to prevent leakage around the probe.

### Model | Sensor Type | Insertion Length
--- | --- | ---
I2-11062 | Pt 100 Ohm RTD | 6''
I2-12062 | Pt 1000 Ohm RTD | 6''
I2-13062 | Ni 1000 Ohm RTD | 6''
I2-14062 | Balco 1000 Ohm RTD | 6''
I2-15062 | 10kΩ NTC Type 2 Thermistor | 6''
I2-16062 | 3kΩ NTC Thermistor | 6''
I2-17062 | 5kΩ Thermistor | 6''
I2-18062 | 10kΩ Thermistor | 6''
I2-19062 | 20kΩ Thermistor | 6''
I2-1A062 | 225Ω Thermistor | 6''
I2-1B062 | 10kΩ Type 3 Thermistor | 6''

### SPECIFICATIONS
- **Accuracy:**
  - Platinum RTD: ±0.0.1% @ 32°F (0°C), alpha 385 per DIN 43760.
  - Nickel RTD: ±0.5°F @ 70°F (21.1°C).
  - Balco: ±0.5°F @ 70°F (21.1°C).
  - Thermistor: ±0.2°C interchangeable @ 77°F (25°C).
- **Operating Temperature:** -32 to 250°F (-35.5 to 115.5 °C).
- **Probe Diameter:** 1/4" (6.3 mm).
- **Probe Material:** 304 SS.
- **Probe Length:** 2" (50 mm).

### Thermowells
- **Model | Material | Insertion Length**
  - IW2-202 | 304 SS | 6''
  - IW2-242 | 304 SS | 4''

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**ACCESSORY**
IW-C, Thermowell Compound

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