



# TS-PC Sensor

Flying Lead Temperature Sensors



## Overview

The TS-PC are single point flying lead temperature sensors that utilize a precision sensor encapsulated in a 304 series stainless steel probe. All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration.

## Applications

- Used to monitor single point temperature within a duct
- Used in air handling units to provide temperature sensing for control of heating and cooling

## Features & Benefits

- Economical
- Proven long term stability and performance
- Ease of installation
- Accurate temperature monitoring for increased comfort
- Sensors are hermetically sealed

# Product Specifications

## Environmental

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | -20°C to 60°C; -4°F to 140°F |
| Storage Temperature   | -20°C to 60°C; -4°F to 140°F |
| Relative Humidity     | 0 to 95% Non-condensing      |

## Temperature Sensor/Probe

|                   |                                  |
|-------------------|----------------------------------|
| Type <sup>1</sup> | 10,000Ω, type 2, NTC Thermistor  |
| Accuracy          | ±0.2°C; ±0.36°F                  |
| Probe Material    | 304 Series Stainless Steel       |
| Probe Dimensions  | 6.35 mm (0.25") D X 50 mm (2") L |

## Enclosure

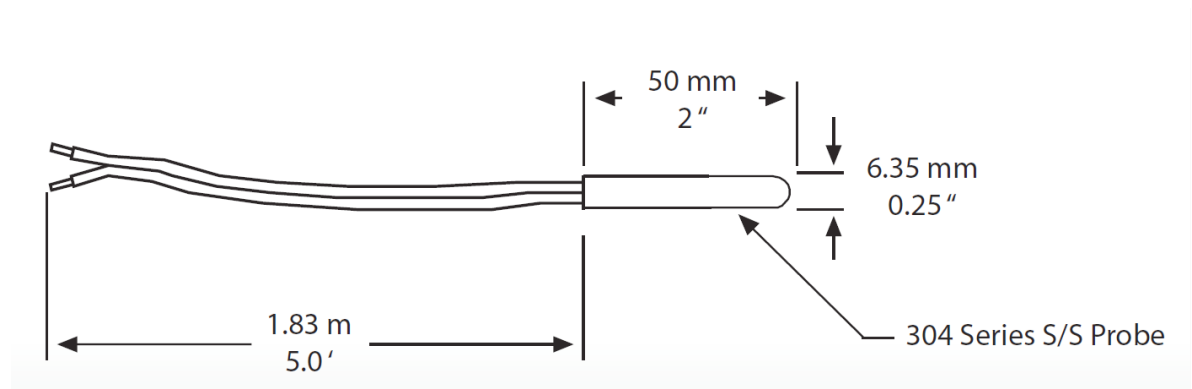
|                 |                     |
|-----------------|---------------------|
| Shipping Weight | 0.10 lbs (0.045 kg) |
|-----------------|---------------------|

## Electrical

|                         |   |
|-------------------------|---|
| Dissipation Factor      | 2.2 mW/K (Thermistor)                   |
| Max Power @ 25°C (77°F) | 75 mW (Thermistor)                      |
| Thermal Time Constant   | Less than 10s (Thermistor)              |
| Wire Material           | 1.83 m (6') Plenum rated FT-6<br>22 AWG |
| Termination             | Pigtail 2 or 3 wire                     |

1. Temperature sensor type stated is standard. Other temperature sensor types are available.

## Dimensions



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