

STAINLESS STEEL SHEATH THERMAL SENSOR
MODEL PTS-R3SC
THERMISTOR
DESCRIPTION

The Model PTS-R3SC Stainless Steel Sheath Thermistor provides precision remote temperature sensing for the Proliphix NT20e and NT120e/h Network Thermostats. The active sensing element is a highly stable precision thermistor material accurate to within +/- .36°F (0.2°C).

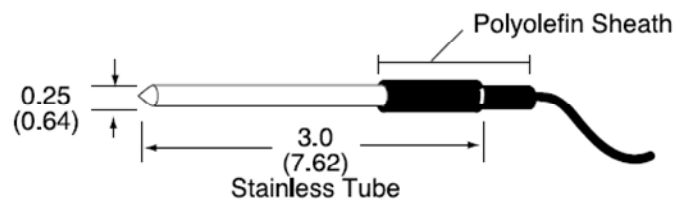
The sensing element is ruggedized and sealed with a thermally conductive compound in a versatile 3" (7.6cm) long stainless steel tube. The probe is waterproof and ideal for use in refrigeration cases, or as a strap-on sensor for pipes.

FEATURES

- Sensitive tip for precise measurements
- Waterproof probe
- Five-year warranty
- +/- .36°F (0.2°C) accuracy
- 25ft (7.37m) lead

APPLICATION

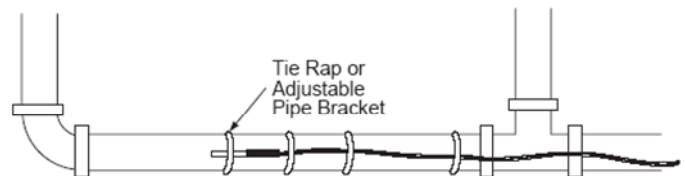
The Stainless Steel Sheath Thermal Sensor is suitable for direct application to pipe surfaces for chilled or hot water measurement. It is also used off freezer cases where moisture protection is important. This rugged strap-on sensor comes with a 25ft (7.37m) cable which allows for termination away from areas of condensation. It is an ideal choice for freezer case applications.


DIMENSIONS

MOUNTING
Mounting

Secure to wall or pipe using cable ties, clips, or brackets.

Wiring

Terminate with butt splices or solder connections. Wire nuts are not recommended. Use the full length cable to avoid moisture migration from the field connection.



When used as a strap-on sensor, best results are obtained when conductive compound is applied between the sensor and the pipe. In addition, the sensor should be inserted under insulation with at least 2" on each side of the sensor.

SPECIFICATIONS

Sensing Element	Thermistor (thermal resistor)
Accuracy	+/- .36°F (0.2°C)
Temp Range	-30°F to 140°F (34 to 60°C)
Temp Response	NTC - Thermistor
Thermistor Stability	0.24°F (0.13°C) over 5 years
Connection	25ft (7.37m) 24 AWG pigtailed
Mounting	Directly to wall or pipe using standard clips and brackets
Probe	304 Stainless Steel