

STD550

Duct Temperature Sensor

NTC 10 kΩ for Continuum



The STD550 is intended for measuring air temperature in fan coil applications or exhaust ducts. The sensor, which is made of stainless steel, is delivered with a 2 m (6.5 ft.) cable PVC sheathed overall. Mounting details such as screw and clamp are included on delivery.

PART NUMBER

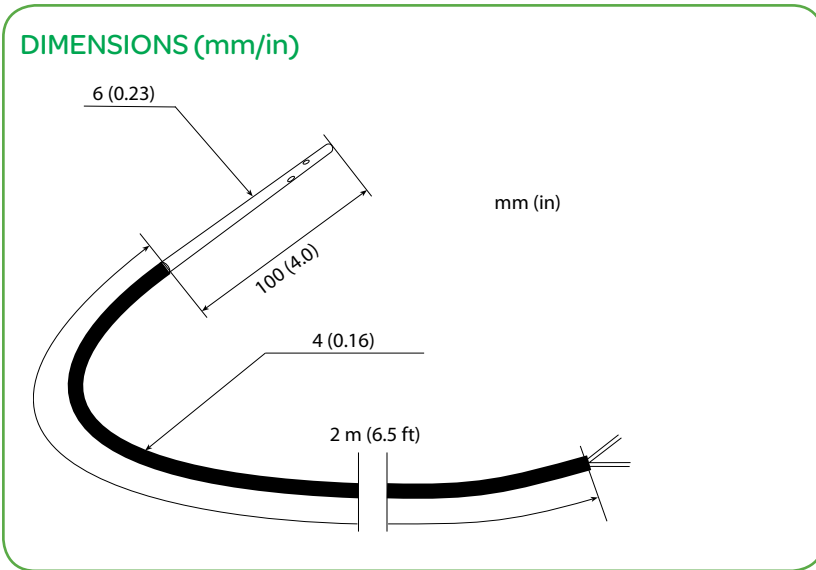
Part Number	Description	NL m (ft)	Weight g (lb)
512-3084-000	STD550	2 (6.5)	90 (0.20)

ACCURACY

At Temperature	Accuracy
-25 °C/-13 °F	±0.5 °C/±0.9 °F
±0 °C/32 °F	±0.2 °C/±0.4 °F
25 °C/77 °F	±0.2 °C/±0.4 °F
50 °C/122 °F	±0.2 °C/±0.4 °F
70 °C/158 °F	±0.2 °C/±0.4 °F
100 °C/212 °F	±0.5 °C/±0.9 °F

TECHNICAL DATA

Part numbers see table
 Sensor element NTC, 10 kΩ at +25 °C (77 °F)
 Time constant max. 25 s at 3 m/s (9.8 ft/s)
 Materials:
 Sensor element Stainless Steel, SUS 304 (SS 2332)
 Cable PVC
 Enclosure rating (sensor) IP 20
 Dimensions see figure
 Accuracy see table
 Operating Temperatures
 Sensor element min. -40 °C (-40 °F)
 max. 100 °C (212 °F)
 Cable min. -10 °C (14 °F)
 max. 95 °C (203 °F)
 Ambient Humidity max. 90 % RH
 Standards
 EMC EN 50081-1, EN 50082-1



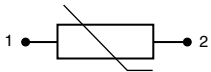
MOUNTING

With sensor immersed in the airstream, fix directly to the duct using the fasteners provided.

MAINTENANCE

The sensor is maintenance-free, but should be cleaned if necessary.

WIRING



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