

# STD591



## PART NUMBER

Part Number	Model Number	Weight g (lb)
5123086010	STD591	190 (0.42)

## SPECIFICATIONS

Sensor element . . . NTC, 10 kohm at +25 °C (77 °F)  
 Operating temperature . . . . . -40 – +100 °C  
 (–40 – +212 °F)  
 Time constant . . . . . approx. 120 s @  
 air speed 1 m/s (3.3 ft./s)  
 approx. 80 s @ air speed 3 m/s (9.8 ft./s)  
 Accuracy . . . . . please refer to table on next page  
 Enclosure rating . . . . . IP 65  
 Length of measuring cable . . . . . 3 m (9.8 ft.)  
 Total cable length . . . . . 5 m (16.4 ft.)  
 Weight . . . . . 190 g (0.42 lb.)  
 Weight incl standard packaging . . . 240 g (0.53 lb.)

## Thermistor type Duct Sensor, NTC 10 kohm for Continuum®

The STD591 contains four thermistors and is a mean value temperature sensor.

The sensor elements are NTC 10 kohm for Continuum products.

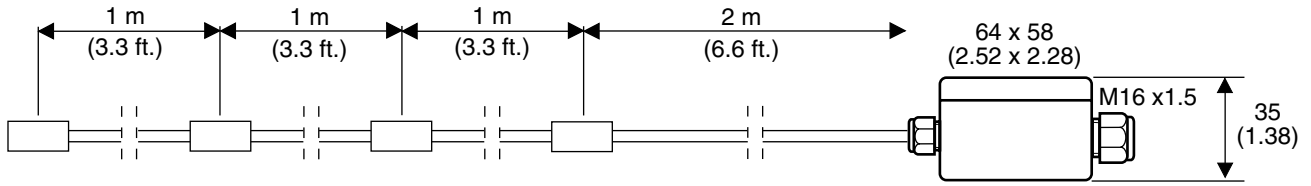
The sensor is used for temperature measurement in air ducts. It is intended for mounting on to a grid or on wires suspended across a duct.

The sensor is delivered as a complete unit, comprising a junction box and four sensors on a cable at 1 meters (3.3 ft.) intervals. The distance from the first sensor to the junction box is 2 meters (6.6 ft.).

## 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

**DIMENSIONS mm (in)**



**WIRING**

