

STD500



Duct Temperature Sensor NTC 10 kohm for Continuum

The STD500 temperature sensor is intended for air duct mounting.

The sensor element is an NTC 10 kohm for Continuum products.

The STD500 housing is equipped with an M16x1.5 cable fitting and an M16/M20 adapter for conduit.

PART NUMBER

Part Number	Model Number	Probe		NL		Weight	
		mm	In	mm	In.	g	lb
5123074010	STD500-150	150	5.9	163	6.42	120	0.26
5123078010	STD500-250	250	9.84	263	10.35	126	0.28
5123082010	STD501-400	400	15.75	413	16.26	138	0.30

SPECIFICATIONS

Sensor element . . . NTC 10 kohm at +25 °C (77 °F)

Time constant

air velocity 1.5 m/s approx. 72 s

air velocity 3.0 m/s approx. 52 s

Materials

Immersion tube stainless steel

Connection box polyamide plastic

Mounting flange aluminium

Enclosure rating IP 65

Dimensions. according to figure and table

Accuracy see table

Temperatures

Ambient min. -40 °C (-40 °F)

max. +130 °C (+266 °F)

Operating min. -40 °C (-40 °F)

max. +150 °C (+302 °F)

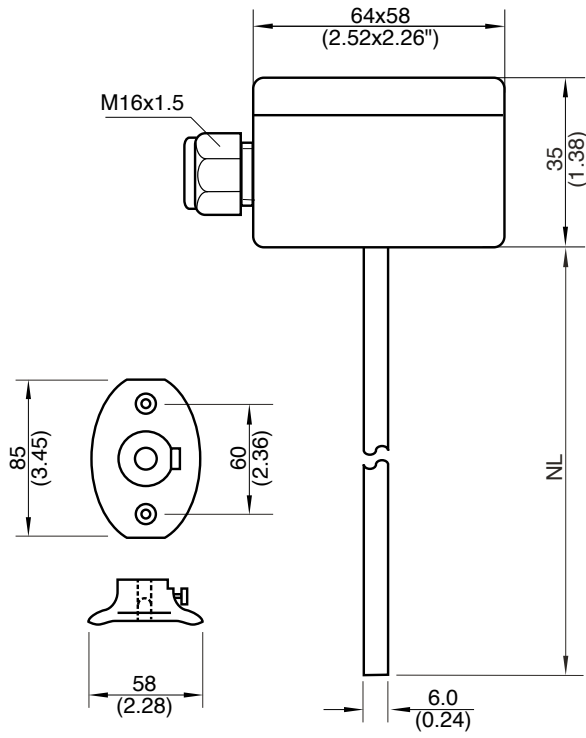
Standards

EMC EN 50081-1, EN 50082-1

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

