



STD100, STD101

D-12-61

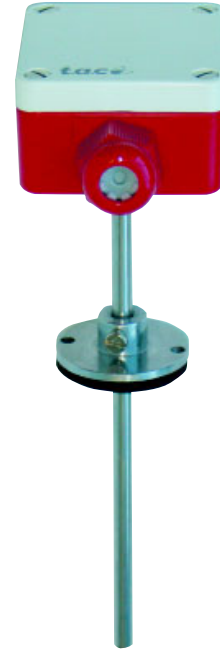
Duct temperature sensor
NTC 1.8 kohm

16 Feb 2005

The STD100, STD101 temperature sensor is intended for air duct mounting.

STD100 housing is equipped with a Pg11 cable fitting.

STD101 housing has a $\varnothing 20$ mm (0.79 in.) plugged hole for the cable.



TECHNICAL SPECIFICATION

Part number see table
Sensor element NTC, 1.8 kohm at +25 °C (77 °F)

Time constant:

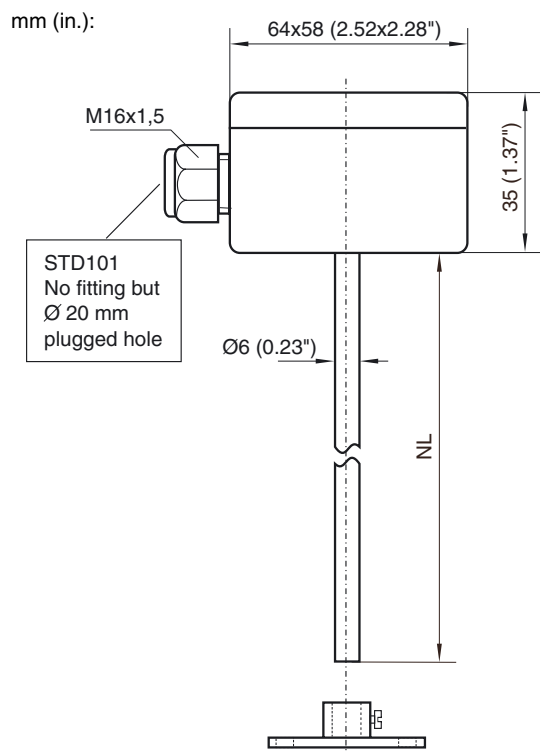
air velocity 1.5 m/s approx. 72 s
air velocity 3.0 m/s approx. 52 s

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 overleaf
Ambient temperature min. -40 °C (-40 °F)
max. +130 °C (+266 °F)
Operating temperature min. -40 °C (-40 °F)
max. +150 °C (+302 °F)

Standards:

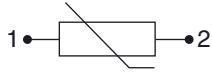
EMC EN 50081-1, EN 50082-1



PART NUMBER

Part number	Description	NL		Weight	
		mm	In.	g	lb
512-3002-000	STD100-50	63	2.48	113	0.25
512-3004-000	STD100-100	113	4.45	117	0.26
512-3006-000	STD100-150	163	6.42	120	0.26
512-3008-000	STD100-200	213	8.39	123	0.27
512-3010-000	STD100-250	263	10.35	126	0.28
512-3012-000	STD100-300	313	12.32	130	0.29
512-3014-000	STD100-400	413	16.26	138	0.30
512-3016-000	STD101-50	63	2.48	107	0.25
512-3018-000	STD101-100	113	4.45	111	0.26
512-3020-000	STD101-150	163	6.42	114	0.26
512-3022-000	STD101-200	213	8.39	117	0.27
512-3024-000	STD101-250	263	10.35	120	0.28
512-3026-000	STD101-300	313	12.32	124	0.29
512-3028-000	STD101-400	413	16.26	128	0.30

WIRING



ACCURACY

Accuracy at:

-25 °C/-13 °F	.....	±0.7 °C/±1.3 °F
±0 °C/32 °F	.....	±0.5 °C/±0.9 °F
25 °C/77 °F	.....	±0.3 °C/±0.5 °F
50 °C/122 °F	.....	±0.6 °C/±1.1 °F
75 °C/167 °F	.....	±0.9 °C/±1.6 °F
100 °C/212 °F	.....	±1.3 °C/±2.3 °F