TT0P

Features:

- Pipe strap

- -40..+105 °C temperature range

- NTC 10k sensing element

- Complete with 5m cable
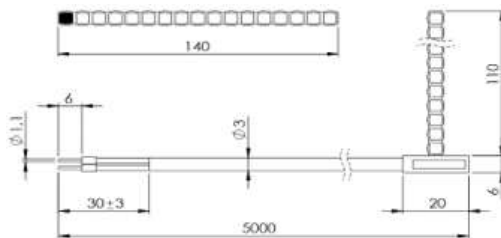
- Industrial use

- Quick and easy installation

Strap-on temperature sensor

TT0P sensor is intended for measuring the media temperature inside the pipe. Sensor is NTC element based and provide resistance value dependent on the air temperature.

Installation

Install the sensor on the pipe by using the strap, screwing it tightly for good thermal contact. Additional thermal insulation around the sensor and cable is advisable for more precise media temperature measurement.

Dimensions

Technical data

Measuring element*	NTC 10k at 25°C Beta (25/85) 3435
Measuring range	-40..+105°C
Accuracy	±1%
Protection class	IP67
Pipe diameter*	Standard strap – 32mm Extended strap – 77mm
Cable	5m, 2x AWG24 Stranded tinned copper, Insulation TPE
Connections*	End sleeves, 0.25mm²/6mm

* Other options on request

Temperature-resistance values

Temperature, °C	Resistance, kΩ
-40	188.200
-35	144.100
-30	111.200
-25	86.460
-20	67.720
-15	53.420
-10	42.420
-5	33.900
0	27.270
5	22.060
10	17.950
15	14.690
20	12.090
25	10.000
30	8.313
35	6.944
40	5.828
45	4.913
50	4.160
55	3.538
60	3.021
65	2.590
70	2.229
75	1.925
80	1.669
85	1.451
90	1.267
95	1.109
100	0.974
105	0.857