

Temperature Sensor



Description

TSW-1000T Series sensors advantages: high stability, durable corrosion, long-life, simple installation, which are applied and bad surroundings for high temperature, low temperature and moist. The sensors can sense water and air temperature promptly to transmit signal to control system and control water and air temperature exactly in heating, ventilation and air conditioning.

Material and specification

Sensing element: NTC temperature sensing element, PT100, PT1000

Case material: high strength flame-resistant engineering plastic

Case max. temperature resistance: 70

Mounting style: threaded connection, e...insert style

Degree of protection: IP54

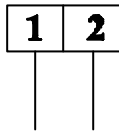
Material: brass(nickel-plated surface)

Type	Induced element	Measuring range	Pipe external diameter	Pipe length
TSW-1000T	NTC10K	-20 ~ 80	9	200

Installation indication

The TSW-1000T Series sensors are highly sensitive, install in the desired place. Connecting wire length: <50m .

Wiring diagram



No sequence with terminal 1 & 2 opposition is also permitted.

Sleeve dimension



Material: stainless steel

Note:

- when sensor measures water temperature, sleeve is used
- when sensor measures air duct temperature, sleeve is not used.

TSW-1000T temperature and resistant comparison table

Temperature	Resistance Ω	Temperature	Resistance Ω	Temperature	Resistance Ω
0	27620	17	13620	34	7180
1	26440	18	13090	35	6928
2	25320	19	12590	36	6686
3	24250	20	12110	37	6454
4	23230	21	11650	38	6230
5	22270	22	11210	39	6016
6	21340	23	10790	40	5810
7	20460	24	10390	41	5613
8	19630	25	10000	42	5423
9	18830	26	9631	43	5240
10	18070	27	9277	44	5065
11	17340	28	8938	45	4897
12	16650	29	8613	46	4734
13	15980	30	8302	47	5678
14	15350	31	8004	48	4429
15	14750	32	7718	49	4284
16	14170	33	7444	50	4145

Note: without notice, the above technical data changes.

Sleeve overall dimension

