



SAMIL SENSOR

Temperature sensor

- Onion shape
- Diameter $\varnothing 8$, M21 thread
- Output number: single
- Measurement range: -45°C to 350°C

Ordering information

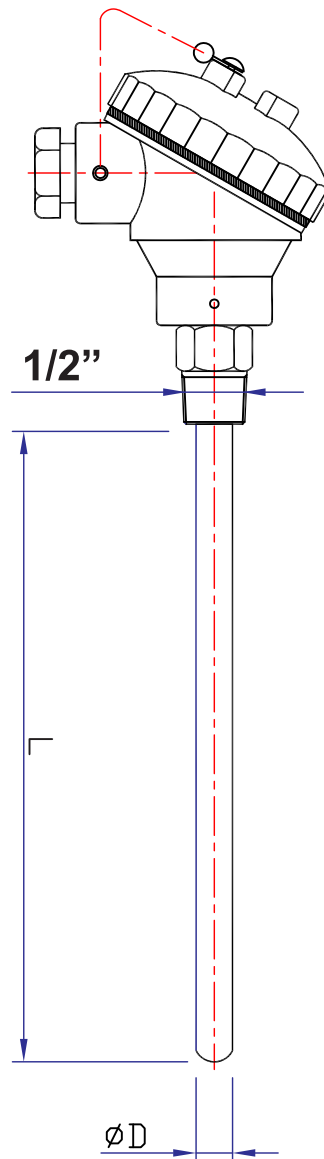
TH	TH	Thermocouple sensor
M	M	M21
PT	K	K (TC)
	PT	PT100 (RTD)
0.1	0.1	100mm

DIMENSION

D = 8 mm

L = 100 mm

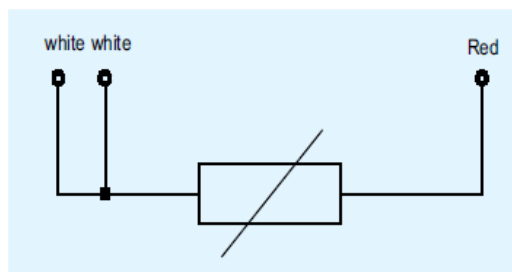
Weight: 100g





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PT100 RESISTANCE TABLE



BASIC VALUES IN OHM FOR MEASURING RESISTORS PT 100

°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm
-200	18,52	0	100,00	200	175,86	400	247,09	600	313,71
-190	22,83	10	103,90	210	179,53	410	250,53	610	316,92
-180	27,10	20	107,79	220	183,19	420	253,96	620	320,12
-170	31,34	30	111,67	230	186,84	430	257,38	630	323,30
-160	35,54	40	115,54	240	190,47	440	260,78	640	326,48
-150	39,72	50	119,40	250	194,10	450	264,18	650	329,64
-140	43,88	60	123,24	260	197,71	460	267,56	660	332,79
-130	48,00	70	127,08	270	201,31	470	270,93	670	335,93
-120	52,11	80	130,90	280	204,90	480	274,29	680	339,06
-110	56,19	90	134,71	290	208,48	490	277,64	690	342,18
-100	60,26	100	138,51	300	212,05	500	280,98	700	345,28
- 90	64,30	110	142,29	310	215,61	510	284,30	710	348,38
- 80	68,33	120	146,07	320	219,15	520	287,62	720	351,46
- 70	72,33	130	149,83	330	222,68	530	290,92	730	354,53
- 60	76,33	140	153,58	340	226,21	540	294,21	740	357,59
- 50	80,31	150	157,33	350	229,72	550	297,49	750	360,64
- 40	84,27	160	161,05	360	233,21	560	300,75	760	363,67
- 30	88,22	170	164,77	370	236,70	570	304,01	770	366,70
- 20	92,16	180	168,48	380	240,18	580	307,25	780	369,71
- 10	96,09	190	172,17	390	243,64	590	310,49	790	372,71

APPLICATION

Temperature sensor sends the heat signal to the temperature control meter, helping the control meter to control the desired temperature from the user, ensuring accuracy in thermal systems (boilers, kilns, furnaces, incubators, etc.)