



# SAMIL SENSOR

MODEL: TH-K-08-0.1-1/2"

## Ordering information

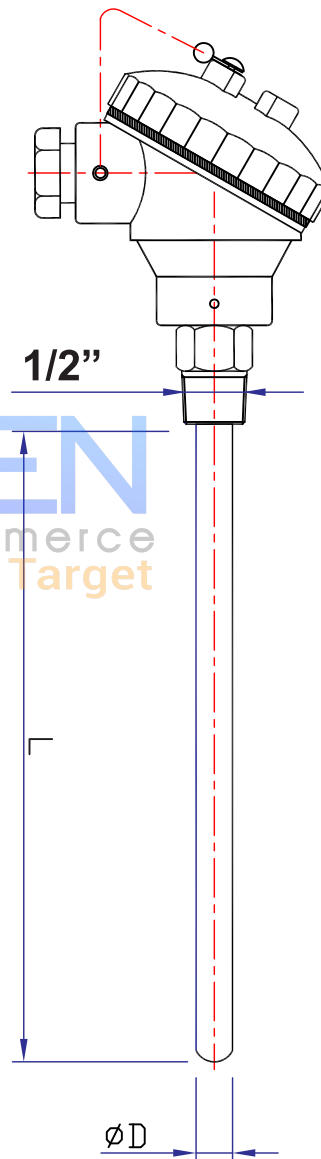
<b>TH</b>	<b>TH</b>	Thermocouple sensor
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<b>K</b>	<b>K</b>	Sensor type K (CA)
	<b>K2</b>	Sensor type K (CA) Double

<b>08</b>	<b>06</b>	6mm
	<b>08</b>	8mm
	<b>10</b>	10mm

<b>0.1</b>	<b>0.1</b>	100mm
	<b>0.2</b>	200mm
		Others

<b>1/2"</b>		Non
	<b>1/8</b>	Thread size 1/8"
	<b>1/4</b>	Thread size 1/4"
	<b>3/8</b>	Thread size 3/8"
	<b>1/2</b>	Thread size 1/2"
	<b>3/4</b>	Thread size 3/4"



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GENERAL USE OF THERMOCOUPLE & MAXIMUM TEMPERATURE LIMITS				
Type	old Type	Wire Diameter (mm)	Operating Temp limit (°C)	Maximum Limit (°C)
B	-	0.50	1,500	1,700
R	-	0.50	1,400	1,600
S	-			
K		0.65	650	850
		1.00	750	950
		1.60	850	1,050
		2.30	900	1,100
J	IC	3.20	1,000	1,200
		0.65	400	500
		1.00	450	550
		1.60	500	650
E	CRC	2.30	550	750
		3.20	600	750
		0.65	450	500
		1.00	500	550
T	CC	1.60	550	650
		2.30	600	750
		3.20	700	800
		0.32	200	250
		0.65	200	250
		1.00	250	300
		1.60	300	350

ELECTRIC RESISTANCE OF STANDARD THERMOCOUPLE							
Electric resistance of standard thermocouple at 0 °C							unit Ω/m
Wire Dia (mm)	Type						
	B	R	S	K	E	J	T
0.32	-	-	-	-	-	-	6.17
0.5	1.75	1.47	1.43	-	-	-	-
0.65	-	-	-	2.95	3.56	1.7	1.5
1	-	-	-	1.25	1.5	0.72	0.63
1.6	-	-	-	0.49	0.59	0.28	0.25
2.3	-	-	-	0.24	0.28	0.14	-
3.2	-	-	-	0.12	0.15	0.07	-