



# SAMIL SENSOR

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

## Ordering information

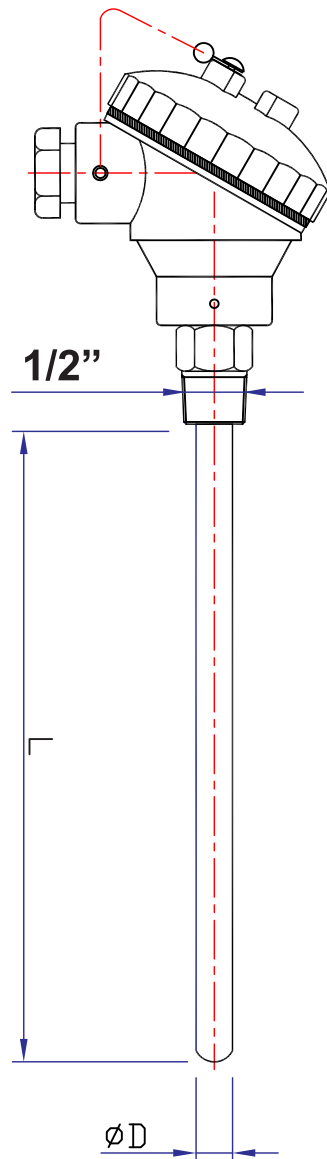
<b>TH</b>	<b>TH</b>	Thermocouple sensor
-----------	-----------	---------------------

<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"





## SAMIL SENSOR

**MODEL: TH-K-08-0.1-1/2”**

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
		3.20	1,000	1,200
J	IC	0.65	400	500
		1.00	450	550
		1.60	500	650
		2.30	550	750
		3.20	600	750
E	CRC	0.65	450	500
		1.00	500	550
		1.60	550	650
		2.30	600	750
		3.20	700	800
T	CC	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	-