

KPTC: Self Adhesive Polyamide Patch Thermocouple Surface Mount

TEMPERATURE SENSOR

KPT-TC Patch thermocouple is a specialized temperature sensor designed for accurate surface temperature measurement of curved surfaces. It consists of a thin, flexible thermocouple foil junction encapsulated in polyamide patch with or with adhesive. These thermocouples are great choice for R&D work where permanent sensor installation is not required. They are often equipped with an insulated wire and connector, enabling easy connection to temperature measurement devices like digital thermometers or data loggers.

Key Feature:

- Flexi polyamide encapsulated patch for easy installation on curved surfaces.
- Exhibits faster response time makes it ideal for process control applications.
- Its non invasive and can be easily applied and removed without damaging surfaces.
- Mostly available with multiple thermocouple calibrations like type K ,J and T.
- Available with Adhesive back
- Exposed Junction for Quick Response.

Response Time : <1.0 Sec

Maximum Temperature : 260°C (500°F)

Patch Thickness: 0.011" (0.28 MM)

Temperature Accuracy As per

ASTM E608/608M/ IEC 60584 & ANSI MC 96.1 standard tolerances

±2.2°C or 0.75% of Reading whichever is greater

	1	2	3	4	5
KPT TC					

Example: KPTC-K-S-1125-120I-5-AD

1. CALIBRATION	
CODE	
K	Chromel(+) vs Alumel(-)
T	Copper(+) vs Constantan(-)

6. ADHESIVE	
CODE	
	Leave blank for Non Adhesive
AD	Adhesive Back

2. MEASURING JUNCTION	
CODE	
S	Simplex

3. PATCH SIZE	
CODE	W x L
1125	½" X 1.0"
382	⅜" X 2.0"
1458	¼" X ⅝"
1214	1 ½" X 1 ¼"
09	Specify if any other

4. LEAD LENGTH (L)	
Lead Length - use "I" for inches and "M" for millimetre	

5. WIRE TYPE	
CODE	
5	PFA (260° C) 30 Awg. PFA Insulated

