

HHTC-4 Hand Held Surface Temperature Thermocouple with Handle

TEMPERATURE SENSOR

HHTC-4- A surface thermocouple is a specialized temperature sensor designed for accurate surface temperature measurement of flat foil tip surfaces with quick heat transfer. It consists of a thin, flexible metal leaf or foil that maintains close contact with the surface, minimizing thermal mass and enhancing response time. 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:

- Foil thermocouple junction to ensure flat good thermal contact with surfaces for accurate temperature readings.
- 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.
- Exposed Junction for Quick Response.

Response Time : <1.0 Sec
Maximum Temperature : 760°C (1400°F)

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	6	7	8	9	10
HHTC4										

Example: HHTC4-K-4-8-01-8i-0-7-24i-MP

1. THERMOCOUPLE TYPE	
CODE	
K	Chromel(+) vs Alumel(-)
Use "S" for Special limit of Error	

2. SHEATH OD		
CODE	IMPERIAL SIZE	METRIC SIZE
4	¼"	6.35mm

3. SHEATH MAT.	
CODE	
8	SS 316

4. PROBE ANGLE	
CODE	
01	Straight
90	90° bend

5. IMMERSION LENGTH (I)	
Immersion length- use "I" for inches and "M" or millimetre	

6. BEND LENGTH (X)	
CODE	
0	When ordering straight probe
Bend tube length - use "I" for inches and "M" for millimetre	

8. WIRE TYPE/STYLE		
CODE	STYLE	TYPE
7	Coil Cord	Polypropylene (PP) (80° C)

9. LEAD LENGTH (L)		
CODE	Retractable length (inch)	Extended length (inch)
10i	10.0"	6 ft
24i	24.0"	14 ft

10. CODES FOR TERMINATION	
CODE	
MP	Miniature Plug

