

HHTC-3 Hand Held Leaf Tip Thermocouple Probe with Plastic Handle

TEMPERATURE SENSOR

HHTC-3 A leaf thermocouple is a specialized temperature sensor designed for accurate surface temperature measurement of flat & curved surfaces with minimal 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:

- Flat and flexible design of leaf thermocouples ensure 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, J and T.
- Exposed Junction for Quick Response.

Response Time : <1.0 Sec

Maximum Temperature : 900°C (1600°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
HHTC3									

Example: HHTC3-K-E-4-8-PH-8.0i-120i-2X-STP

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

2. MEASURING JUNCTION	
CODE	
E	Simplex / Exposed

3. SHEATH OD		
CODE	IMPERIAL SIZE	METRIC SIZE
4	1/4"	6.35 mm
6	3/8"	9.5 mm

4. SHEATH MAT.	
CODE	
8	SS 316

5. HANDLE STYLE	
CODE	
0	No Handle required
PH	Plastic Handle

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

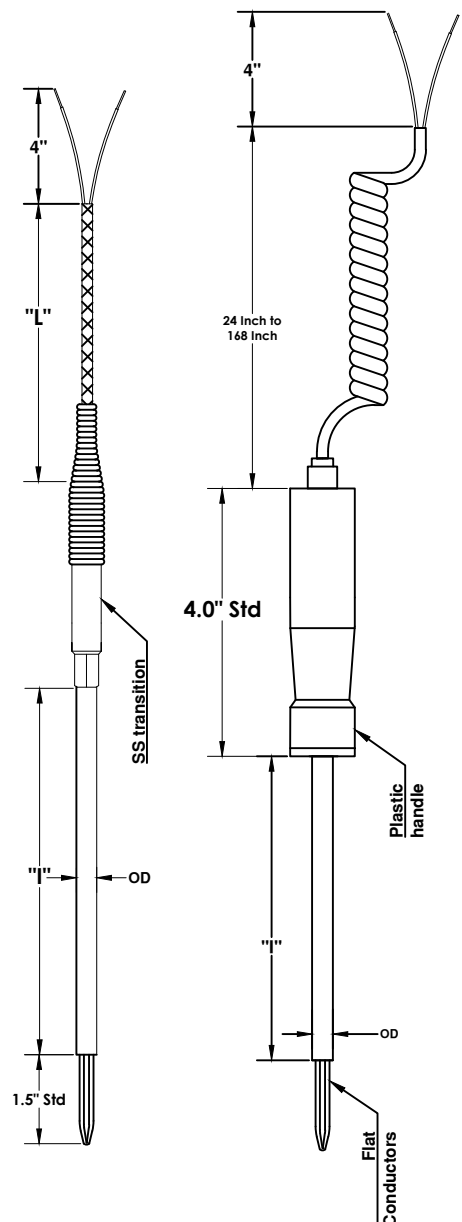
7. LEAD LENGTH (L)	
Lead length: Use "I" for inches and "M" for millimetre	
USE "24i" for coilcord wire (Maximum extended length for coilcord is 14 ft)	

8. WIRE TYPE/STYLE		
CODE	STYLE	TYPE
1	Straight	PVC (105° C)
2	Straight	TEFLON (205° C)
6	Straight	TEFLON (260° C)
7	Coil Cord	Polypropylene (PP) (80° C)
NOTE:- Add "X" for SS braiding (Not applicable to coil cord)		

9. CODES FOR TERMINATION	
CODE	
Z	Bare ends
STP	Standard Plug
MP	Miniature Plug



Flat leaf tip for instant
temperature measurement



WITHOUT HANDLE

WITH PLASTIC HANDLE