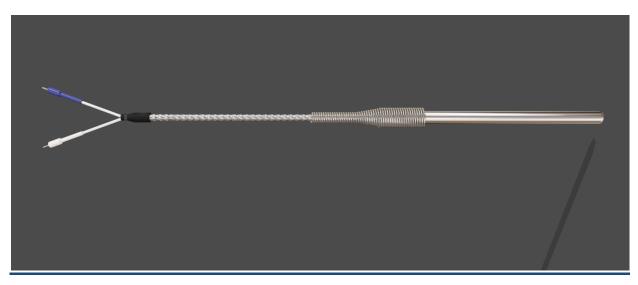
HS201 PROBE TYPE IMMERSIONTHERMOCOUPLE

Heatcon



Thermocouple is available in K, J,T, N& E type. The Probe Type Thermocouple is designed to measure the temperature of diverse substances, ranging from liquid to semi-solid to air and gas. The response time of a measurement is affected by the position of the sensor relative to the substance being measured. The HS201 normally curved tip and we customize pointed tip, pin tip and other design as per customer demand.Normally constructed thermocouple offers a speedy 6-10 second responses for a temperature reading and it is depends on the outer diameter of the sheath material and thermowell.

With a strong, corrosion-resistant construction, this probe is able to measure surfaces up to 1200°C as per the selection of thermocouple chosen. Spring was added nearer to the cable connection for strain relief.

This type of thermocouples assembly can be used to measure and monitoring the temperature of the vessels, pipe, circular plates etc., purpose. Instead of spring heat shrink sleeve also be added in the place of spring as per customer request.

The temperature rating of the sensor is governed by the temperature rating of the extension cable used to the thermocouple. Please refer the table for temperature rating of extension material.



We will supply the sensor once we calibrate the sensor in our internal ISO/IEC 17025:2015 (NABL) accredited thermal lab by comparison Method.

FEATURES	PRODUCT PROBE THERMOCOUPLE
AVAILABLE TYPE	K, J, N,E,T & E
TEMPERATURE RANGE	-200 TO +1300 °C
STANDARD BARE WIRE SIZE	0.8, 1.2, 1.6, 2.0, 2.5, 3.2 mm
RESPONSE TIME	10 SEC
CONNECTORS	MIL STD, NYLON, PLASTIC, CERAMIC
TERMINATION	PVC LUGS, U TYPE LUGS,
CONFIGURATION	SIMPLEX, DUPLEX, AS PER THE REQUEST
SHAEATH MATERIAL	SS 304, SS 316, SS 310, SS446, INCONEL 600, INCONEL 800, INCOLY, TITANIUM, INCONEL, CERAMIC, APM (SPECIAL ALLOYS ON REQUEST)
GRADE OF PROTECTION	IP 55, IP 65, IP 67, ATEX, CCOE, FLAMEPROOF

APPLICATION:

- ENGINE & BEARING HOUSINGS
- CHEMBER TEMPERATURE MEASUREMENT
- LIQUID AND SEMI SOLOD MEDIA TEMPEARTURE MESUREMENT

THERMOCOUPLE MATERIAL TABLE:

THERMOCOUPLE TYPE	MATERIAL	TEMPERATURE RANGE
K	Chromium-Alumel	-200 to 1200 °C
J	Iron-Constantan	-200 to 760 °C
Т	Copper-Constantan	-200 to 390 °C
N	NICROISIL-NISIL	-270 to 1300 °C
E	Chromium-Constantan	-200 to 990 °C

TOLERENCE CHART OF THE THERMOCOUPLE

Thermocouple Type	TEMPEDATURE	TOLERENCE VALUE							
	TEMPERATURE RNGE	IEC 6	60751	Indian Standard					
		CLASS A (±C°)	CLASS B (±C°)	TEMPERATURE RNGE	(In ±°C)				
т	-200+370°C	0.004*Temp	0.0075*Temp	-200+400°C	3 °C				
	2001370 C	0.004 Temp	0.0075 Temp	above +400 °C	0.75%*Temp				
J	0+760°C	0.004*Temp	0.0075*Temp	0+400°C	3 °C				
	0	0.004 Temp	0.0075 Temp	+400760 °C	0.75%*Temp				

	K OR N	-200+1260°C		0.00)4*Ten	np	0.007	5*Tem	р		+400			3 °C	
										+400.	12	260 °C	0.7	'5%*Tei	
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		11				AUNION NUMBER								Diame	ter
aCF															
_	End Connection	-	Cable L	ength					-	Pro	be Lengt	h	-		
	ľ														
								<u> </u>							
				How	To Oi	der H	18201	Probe	е Туре	Ther	moco	uple			
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	SPECIFY PRO	OBE LEN	IGTH		2	CLAS	SS B(IE	C 6075				B	RAIDEI		
3	IN		(0111		3		SSA(IS SSB(IS				3		B/FIB B/FIB/N	METAL	
	** 200				•	CLIR	B (15)					RAIDEL		
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С	SPECIF				2	UN G	GROUN			*					
	DIAMET ** 8	EK IN M	IVI	_	3	OPE	NED				I	-		EMINAL ED BARE	
					н	MA	X & MI	N OPER	ATING	,	2		EADS	URE MA	IE
	CALIBRAT	TON TY	PE		1		EMPER TEMP:	ATURE	in °C		4		LUG	UKE MA	LE
	J-TYPE K-TYPE		*	-	2		TEMP:		400)	3		IIGH TH IALE PI	EMPERA	TURE
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	Е-ТҮРЕ			-	1	SS 30	4	MATL	KIAL *	:	5		LUG ERAMI	IC	
	N-TYPE				2	SS 31 SS 31						C	ONNEO	CTORS	~
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k	SENSOR CON	FIGURA	TION		5)NEL 80 NIUM)0			_				
E E				_	0				I		N		ALIBRA EQUIRI	ATION EMENT	
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E 1 2	SIMPLEX DUPLEX						**1:	50			3	С	ALIBR	ATION R 17025-20	

Thermocouple Type	United States	Color Codes	IEC 60584 -3	Color Coding	Redundant national color coding for insulation of thermocouple cables					
	ANSI M 19	AC96.1	6)	British to BS1843	Gtmnml to DIN13711	French to NFC42324	Japanese to JIS C1610-1981		
	Thermocouple Grade	Extension Grade	Thermocouple Grade	Intrinsically Safe	₩					
К Туре	кк 💽 🧲	кх 🥂								
Т Туре	π €₹ :	тх 🧲 :								
Ј Туре	n 🔣;	7x 💦								
N Туре	NN (()	NX (***		()	 *					
Е Туре	EE (()	ex ((*		()						
S Type	None Established	sx 💽	(*:	(*				(*:		
R Type	None Established	RX 🗲	 *	()				(:		
В Туре	None Established	вх 🧲		(*				(*:		