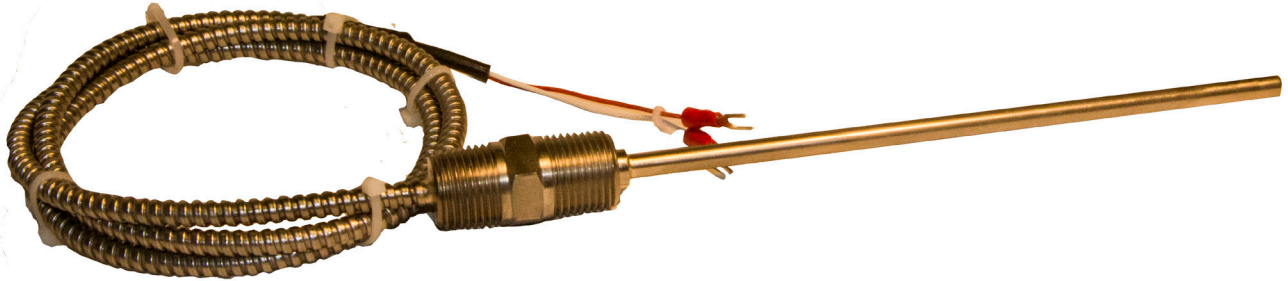


**A5200 MgO MINERAL INSULATED THERMOCOUPLES & RTD'S - EXTENSION STYLE**

**A5200 - EXTENSION STYLE**



**MINERAL INSULATED THERMOCOUPLE**

Mineral Insulated thermocouples are fast responding thermocouples that are capable of high temperatures. The sensors are insulated by a rock hard layer of compacted MgO, which are both protected by an outer metal sheath. This combination of materials allow for fast heat transfer resulting in excellent response time. The layer of MgO protects the sensor from moisture and thermal shock, while giving it the capability to handle high temperature/ high pressure environments. The outer sheath allows forming/ bending of the thermocouple while not compromising its functionality. It also protects the sensor from oxidation and harsh environments.

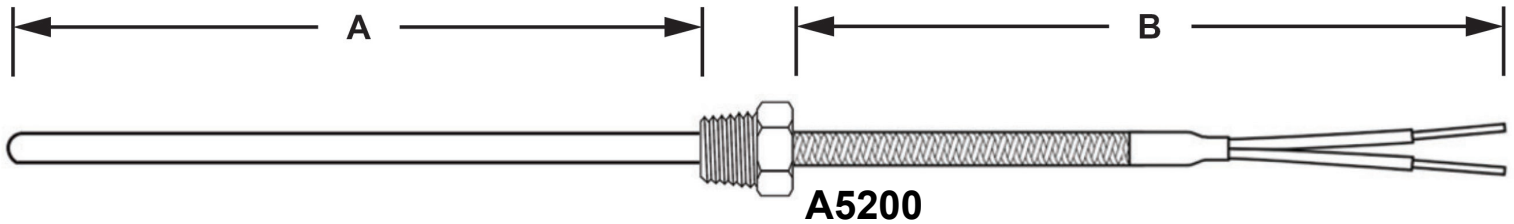
**A5200 - OPTIONS**

OPTION CODE	DESCRIPTION
1500°F CERAMIC POTTING	CERAMIC POTTING WILL INCREASE THE MAXIMUM TEMPERATURE OF THE SENSOR
NIST TRACEABLE	PRODUCT WILL BE CERTIFIED BY NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST)

**JUNCTION NOTES**

JUNCTION	RESPONSE TIME	NOTES
GROUNDING	MEDIUM	USEFUL FOR MEASUREMENT OF STATIC OR FLOWING GAS AND LIQUID TEMPERATURE AND FOR HIGH PRESSURE
UNGROUNDING	SLOW	USEFUL FOR APPLICATION WHERE THERMOCOUPLE MAY COME IN CONTACT WITH ELECTRICAL LINES/ CONTROL SYSTEM REQUIRES UN- GROUNDING INPUT
EXPOSED	FAST	USEFUL FOR MEASUREMENT OF STATIC OR FLOWING NON-CORRO- SIVE GAS TEMPERATURES WHERE FAST RESPONSE TIME IS REQUIRED.

## A5200 - DIMENSIONS



HEX BUSHING PROCESS THREAD	HEX BUSHING INSTRUMENT THREAD	HEX COUPLING
<b>HEX BUSHING - PROCESS THREAD</b>	<b>HEX BUSHING - INSTRUMENT THREAD</b>	<b>HEX COUPLING</b>
SD1 - 1/8" NPT STAINLESS	SB1 - 1/8" NPT STAINLESS	SS1 - 1/4" NPT STAINLESS
SD2 - 1/4" NPT STAINLESS	SB2 - 1/4" NPT STAINLESS	SS2 - 1/2" NPT STAINLESS
SD3 - 1/2" NPT STAINLESS	SB3 - 1/2" NPT STAINLESS	S1 - 1/4" NPT STEEL
SD4 - 3/4" NPT STAINLESS	SB4 - 3/4" NPT STAINLESS	S2 - 1/2" NPT STEEL
BD1 - 1/8" NPT BRASS	BB1 - 1/8" NPT BRASS	
BD2 - 1/4" NPT BRASS	BB2 - 1/4" NPT BRASS	
BD3 - 1/2" NPT BRASS	BB3 - 1/2" NPT BRASS	

## TERMINATIONS

### 0 - STRIPPED LEADS



### 1 - FORK TERMINALS



### 2 - STANDARD MALE PLUG



### 3 - STANDARD FEMALE



### 4 - MINI MALE PLUG



### 5 - MINI FEMALE JACK



## A5200 - ORDER CODE

**A5200XX - A - X - X - B - X - X - X - X**

TYPE	STEM LENGTH	DIAMETER	JUNCTION	LEAD LENGTH	LEADS	TERMINATION	FITTING OPTIONS
J - TYPE J	4 - 4" (101mm)	1/16 - 1/16"	E - EXPOSED	0	F - FIBERGLASS STRANDED	0 - STRIPPED LEADS	N - NONE S6 - 316SS
JJ - DUPLEX TYPE J	6 - 6" (152mm)	(1.59mm)	G - GROUNDED	6 - 6" (152mm)	B - STAINLESS BRAID	1 - FORK TERMINALS	SEE ABOVE 1600 - INCONEL 600
K - TYPE K	8 - 8" (203mm)	1/8 - 1/8" (152mm)	U - UNGROUNDED	24 - 24" (610mm)	H - STAINLESS HOSE	2 - STANDARD MALE PLUG	1800 - INCOLOY 800
KK - DUPLEX TYPE K	10 - 10" (254mm)	3/16 - 3/16" (203mm)	3 - 3-WIRE	48 - 48" (1220mm)	T - TEFLON	3 - STANDARD FEMALE JACK	N - NO TERMINAL BLOCK
T - TYPET	X - CUSTOM	1/4 - 1/4" (254mm)	4 - 4-WIRE	120 - 120"	S - FIBERGLASS STRANDED	4 - MINI MALE PLUG	TRANSMITTER READY
TT - DUPLEX TYPET		5/16 - 5/16" (254mm)		(1220mm)		5 - MINI FEMALE JACK	C - NIST TRACEABLE
T - TYPET		3/8 - 3/8" (254mm)					H - 1500F CERAMIC POTTING
RTD - PT100(200°C)		X - CUSTOM					
RTDD - DUPLEX PT100(200°C)							
RT4 - PT100(400°C)							
RT44 - DUPLEX PT100(400°C)							