

MgO MINERAL INSULATED THERMOCOUPLES & RTD'S - RIGID STYLE

A5100 - MgO RIGID STYLE



MINERAL INSULATED THERMOCOUPLE

Mineral Insulated thermocouples are fast responding thermocouples that are capable of handling 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 other sheath allows forming/ bending of the thermocouple while not compromising its functionality. It also protects the sensor from oxidation and harsh environments.

STANDARD TERMINAL BLOCK

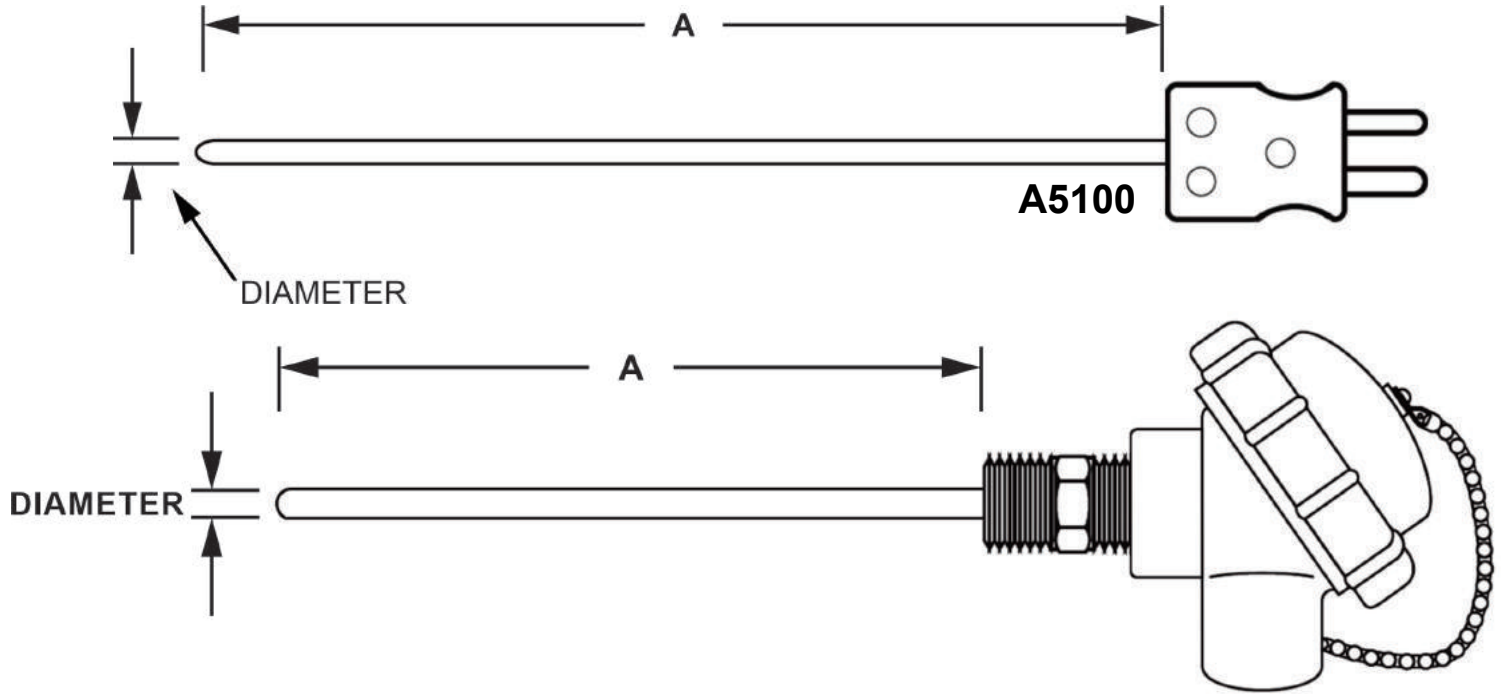


T - TRANSMITTER (RANGE)

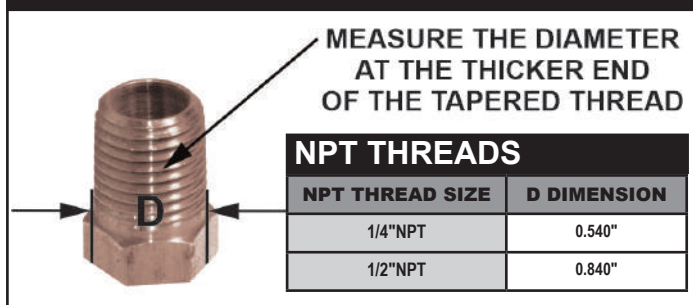


WE CAN PROGRAM THE TRANSMITTER
****SPECIFY OUTPUT WHEN ORDERING****

A5100 - DIMENSIONS



PROCESS CONNECTION



A5100 - OPTIONS

OPTION CODE	DESCRIPTION
S - SPRING LOADED	SENSING ELEMENT IS SPRING LOADED WITHIN THERMOWELL. INCREASED RESPONSE TIME AND ACCURACY.
C - NIST TRACEABLE	PRODUCT WILL BE CERTIFIED BY NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST)

A5100 - ORDER CODE

A5100XX	-	A	-	X	-	E	-	X	-	X	-	X
TYPE		STEM LENGTH		DIAMETER		JUNCTION		TERMINATION		PROCESS CONNECTION		OPTIONS
J - TYPE J		4 - 4" (101mm)		1/16 - 1/16" (1.59mm)		E - EXPOSED		P - MALE PLUG		N - NONE		<blank> - STANDARD TERMINAL BLOCK
JJ - DUPLEX TYPE J		6 - 6" (152mm)		1/8 - 1/8" (152mm)		G - GROUNDED		F - FEMALE JACK		B2 - 1/2" NPT BRASS		S - SPRING LOADED
K - TYPE K		8 - 8" (203mm)		3/16 - 3/16" (203mm)		U - UNGROUNDED		AL - LARGE CAST ALUMINUM		S2 - 1/2" NPT STEEL		T - TRANSMITTER (RANGE)
KK - DUPLEX TYPE K		10 - 10" (254mm)		1/4 - 1/4" (254mm)		3 - 3-WIRE		AS - SMALL CAST ALUMINUM		SS2 - 1/2" NPT STAINLESS		S6 - 316SS
T - TYPE T		X - CUSTOM		5/16 - 5/16" (254mm)		4 - 4-WIRE		PL - PLASTIC		B4 - 1/4" NPT BRASS		I600 - INCONEL 600
TT - DUPLEX TYPE T				3/8 - 3/8" (254mm)				ALE - CAST ALUMINUM EXPLOSION		S4 - 1/4" NPT STEEL		I800 - INCOLOY 800
T - TYPE T				X - CUSTOM				FDA - FDA COMPLIANT PLASTIC		SS4 - 1/4" NPT STAINLESS		C - NIST TRACEABLE
RTD - PT100(200°C)								E - EPOXY COATED ALUMINUM		FL - FLANGE MOUNT		
RTDD - DUPLEX PT100(200°C)								FDAF - FDA COMPLIANT FLIP TOP				
RT4 - PT100(400°C)												
RT44 - DUPLEX PT100(400°C)												

****Standard Lead Time for Custom Parts 3-5 days MFG****
If you need something that is not listed, contact us! We can probably make it