

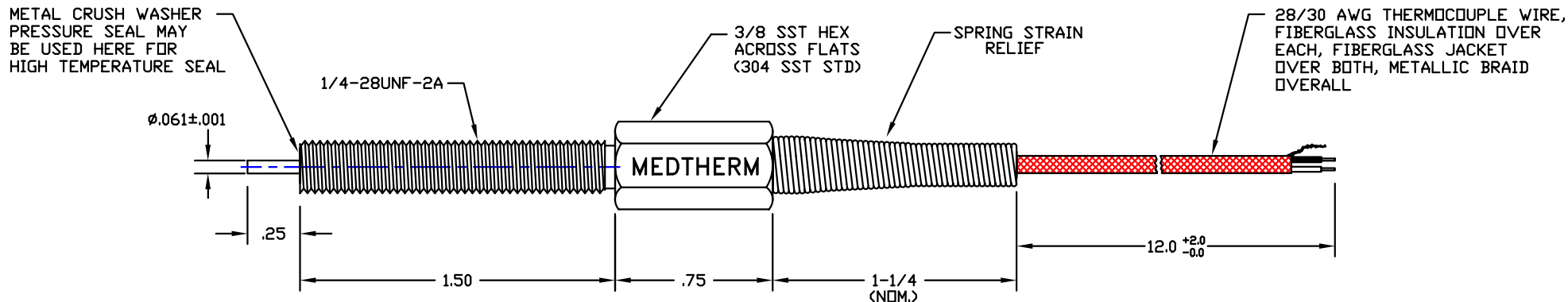


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NOTES:

1. The TCS-103-"M"-11049 coaxial surface thermocouple will provide microsecond response time metal wall surface temperature measurements when properly installed flush in a metal wall surface. Select the thermocouple material to match the thermal properties of the wall as closely as possible. In many cases the surface temperature history may be used to compute fast response heat transfer rates. Other units may be supplied with a backside thermocouple for steady state heat transfer rate computations.

2. Standard leadwire construction is 28/30 AWG fiberglass insulation over each conductor, fiberglass insulation over both, metallic braid overall, ceramic potted (530°C max) SST transition. Mineral insulated SST sheathed lead is also available for 980°C max housing temperature.

3. To order specify the following in the Part Number:

"M" - The thermocouple material designation

Example: A chromel/alumel thermocouple
P/N: TCS-103-K-11049

4. See MEDTHERM Bulletin 500 for further descriptive information on MEDTHERM coaxial microsecond response surface thermocouples.

"M"	THERMOCOUPLE MATERIAL
K	CHROMEL/ALUMEL
T	COPPER/CONSTANTAN
J	IRON/CONSTANTAN
E	CHROMEL/CONSTANTAN
FeNi	IRON/NICKEL

(OTHERS AVAILABLE)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES			COAXIAL SURFACE THERMOCOUPLE MICROSECOND RESPONSE TCS-103-"M"-11049		MEDTHERM CORPORATION POST OFFICE BOX 412 HUNTSVILLE, ALABAMA 35804	
FRACTIONS ± 1/32	DECIMALS 2PL ± .02 3PL ± .005	ANGLES ± 1°				
MATERIAL NOTED			SCALE:	DES.	DWG SIZE	REV
FINISH			ORIG. DWG 8/17/66	CHK.	B 11049	
			CAD DWG 11/2/94	APP. <i>DSB</i>		