

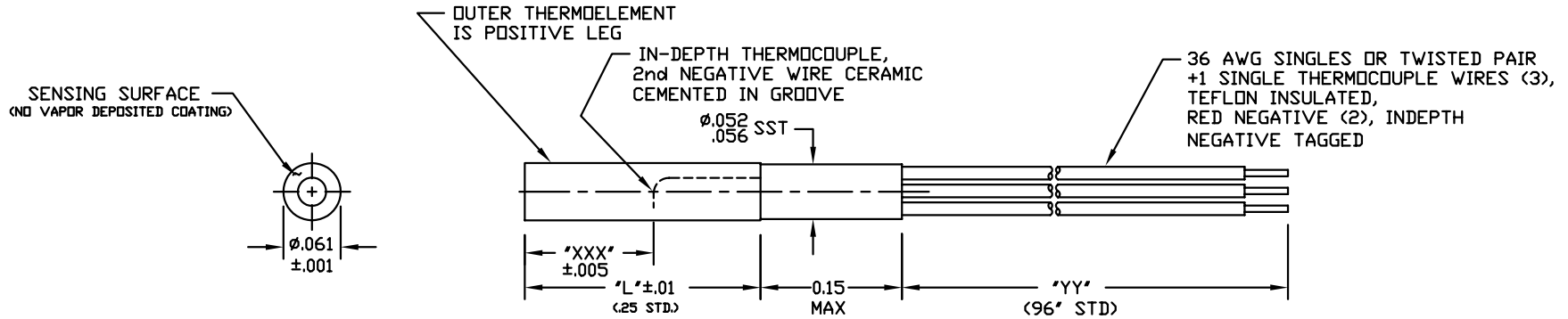


有限会社テクノオフィス

〒225-0011

神奈川県横浜市青葉区あざみ野3-20-8

TEL.045-901-9861 FAX.045-901-9522



NOTES:

1. The TCS-M(MN-XXX)-"L"-YY-10702A coaxial surface thermocouple will provide microsecond response time metal wall surface temperature measurements when properly installed flush in metal wall surface. In many cases the surface temperature history may be used to compute fast response heat transfer rates. The backside or in-depth thermocouple is used for steady state heat transfer rate computations.

2. The coaxial surface thermocouple may be press fit, slip fit, soldered, or cemented into place. Press fit tool must avoid the Ø.030 area at center of front surface.

3. Other dimensions or tolerances are available on request.

4. Standard lead wire construction is 3 single wires (surface pair may be twisted), Teflon insulated, epoxy potted (500°F). Fiberglass insulated lead wire (1000-1200°F) with ceramic potting available on request.

5. Specify thermocouple materials by replacing "M" in P/N with code letter from table. (Negative wire of Iron/nickel thermocouple is red with white stripe.)

6. Replace "L" in P/N by probe length in inches, .25" standard.

7. Replace "XXX" in P/N by in-depth thermocouple location in inches. For the thermocouple at the backside (the standard "XXX"="L"), omit "-XXX" in the part number. The Chromel/constantan standard probe with front and back thermocouples and 96" leads is P/N TCS-E(EN)-.25-96-10702A.

8. Replace "YY" in P/N by lead wire length in inches, 96" standard.

"M"	THERMOCOUPLE MATERIAL	+ WIRE
K	CHROMEL/ALUMEL	YEL
T	COPPER/CONSTANTAN	BLU
J	IRON/CONSTANTAN	WHT
E	CHROMEL/CONSTANTAN	PUR
Fe/Ni	IRON/NICKEL	WHT

(OTHERS AVAILABLE)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES			TCS-M(MN-XXX)-"L"-YY-10702A (SPECIFY THERMOCOUPLE MATERIAL "M") COAXIAL SURFACE THERMOCOUPLE WITH ADDED IN-DEPTH THERMOCOUPLE		MEDTHERM CORPORATION POST OFFICE BOX 412 HUNTSVILLE, ALABAMA 35804	
FRACTIONS ±	DECIMALS 2PL ± 3PL ±	ANGLES ±				
MATERIAL SPECIFY THERMOCOUPLE MATERIAL			REV: 2/26/06	DES.	DWG SIZE B 10702 A	REV
FINISH			ORIG. DWG 11/19/85	CHK.		
			CAD DWG 11/30/94	APP. <i>DSJ</i>		
			DR. <i>GP</i>		SHEET 1 OF	