



NOTES:

1. The TCS-061-"MM"- "L"- "YY"-10607 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. A backside thermocouple wire is provided 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 0.030 area at center of front surface.
3. Other dimensions or tolerances are available on request.
4. Standard lead wire construction is Teflon insulated, epoxy potted (600°F). Fiberglass insulated lead wire (1000-1200°F) with ceramic potting available on request. Other lead wire lengths are available also.
5. Specify thermocouple materials by replacing "M" in P/N with code letter from table. (Negative wire of FeNi thermocouple is red with white stripe.)
6. Replace "L" in P/N by probe length in inches, 0.375" 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)

REVISIONS				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES			TCS-061-"MM"- "L"- "YY"-10607 (SPECIFY THERMOCOUPLE MATERIAL "M") COAXIAL SURFACE THERMOCOUPLE WITH BACKSIDE THERMOCOUPLE		MEDTHERM CORPORATION		
SYM	DESCRIPTION	DATE	APP	FRACTIONS ±	DECIMALS 2PL ± 3PL ±	ANGLES ±	SCALE:	DES.	DWG SIZE	REV	
							ORIG. DWG 8 / 9 / 79		A	10607	
							CAD DWG 5 / 18 / 91	CHK.			
							DR. <i>G. Martin</i>	APP. <i>DRJ</i>	SHEET	OF	