

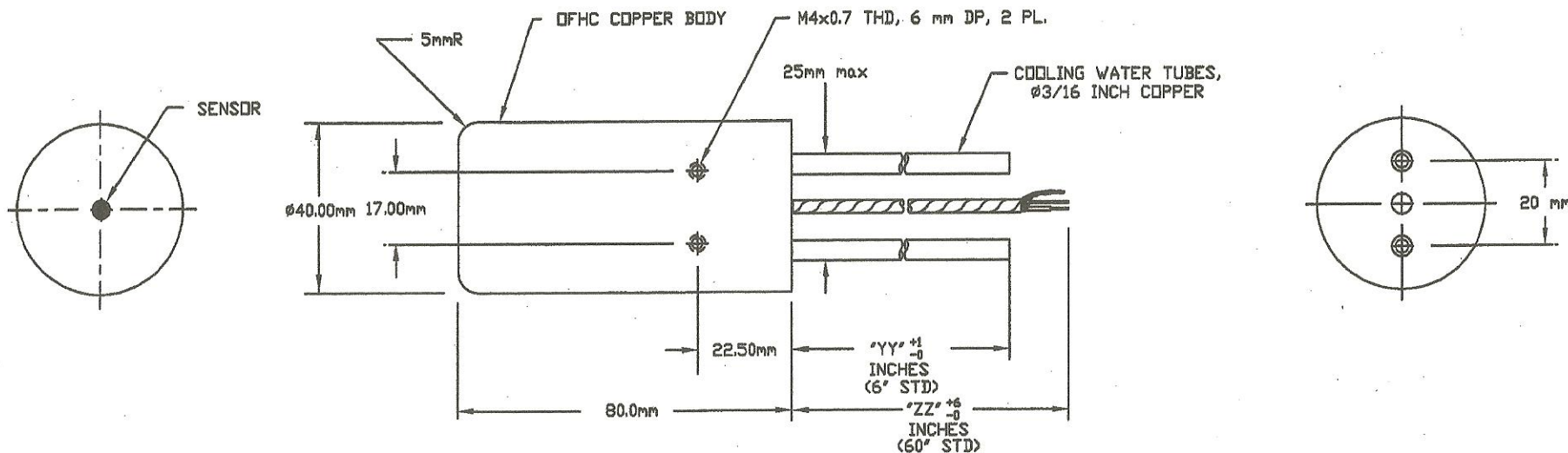


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〒225-0011

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Notes:

1. The P/N: 101-XX-YY-ZZ-21313 is a water cooled, flat tipped stagnation point heat flux transducer that provides a linear EMF output directly proportional to the net absorbed heat transfer rate to the sensing tip. The standard sensor is a Gardon gage above 50 Btu/ft²sec design heat flux level and the MEDTHERM Schmidt-Boelter thermopile sensor at 50 Btu/ft²sec and below. The standard nominal output is 10 mV at the design maximum heat flux level "XX" Btu/ft²sec. Each unit is supplied with an individual calibration traceable to the National Institute of Standards and Technology.
2. Lead wire is 24 AWG, twisted pair, stranded plated copper with Teflon insulation over each, braid shield, Teflon jacket overall, White (+), Black (-).
3. Cooling water tubes are flexible 3/16 inch copper, brazed into the housing. Cooling passages are designed to supply cooling water as close as possible to the tip and to contain the elevated water pressure required for very high heat flux testing applications.
4. This probe is available with pressure taps or multiple heat flux sensors. Many other probe sizes and shapes are available.
5. To order, specify the following in the P/N:
 "XX" - Design heat flux level in Btu/ft²sec
 "YY" - Tube length in inches (6" std.)
 "ZZ" - Leadwire length in inches (60" std.)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM TOLERANCES		STAGNATION POINT HEAT FLUX PROBE P/N: 101-XX-YY-ZZ-21313		MEDTHERM CORPORATION POST OFFICE BOX 412 HUNTSVILLE, ALABAMA 35804	
DECIMALS	ANGLES				
X.X ±.5	30'	MATERIAL		SCALE:	UPD. 2/17/09
X.XX ±.12		NOTED		ORIG. DWG	CHK.
FINISH				CAD DWG 1/17/97	DR. GMG
				APP. <i>DLB</i>	DWG SIZE B
					REV 21313
					SHEET OF