

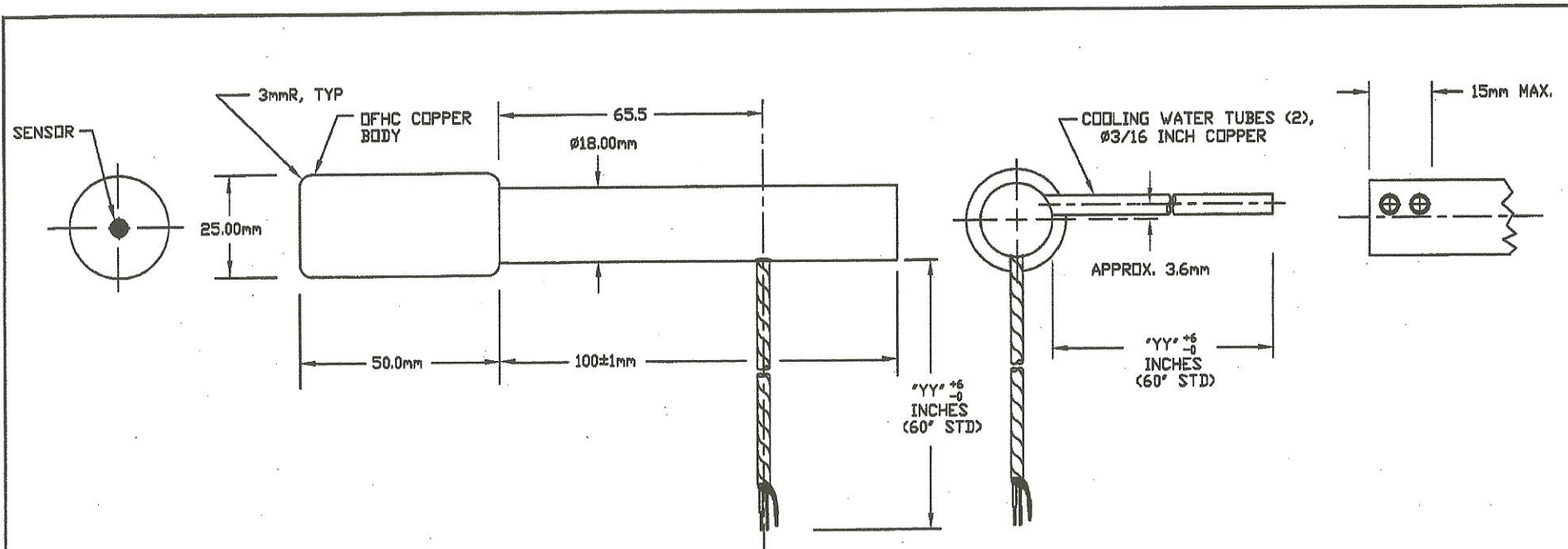


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Notes:

1. The P/N: 63-XX-YY-21361 is a water cooled, flat tipped stagnation point heat flux transducer with a Gardon gage sensor which provides a linear EMF directly proportional to the net absorbed heat transfer rate to the sensing tip. The standard nominal output is 10 mV at the design 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 one of a family of stagnation point heat flux transducers with tip diameter from 3mm to 25mm with 18mm mounting. Many other probe sizes and shapes are available. Multiple sensor models are also available.
5. To order, specify the following in the P/N:
 "XX" - Design heat flux level in Btu/ft²sec
 "YY" - Leadwire and tube length in inches (60" std.)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM TOLERANCES		STAGNATION POINT HEAT FLUX PROBE P/N: 63-"XX"- "YY"-21361		MEDTHERM CORPORATION	
DECIMALS	ANGLES			POST OFFICE BOX 412 HUNTSVILLE, ALABAMA 35804	
XX ±.5	30'				
XX ±.12					
MATERIAL	NOTED	SCALE:	DES.	DWG SIZE	REV
FINISH		ORIG. DWG		B	
		CAD DWG	7/21/97	21361	
		DR.	GMG	SHEET	OF
			APP. DRP		