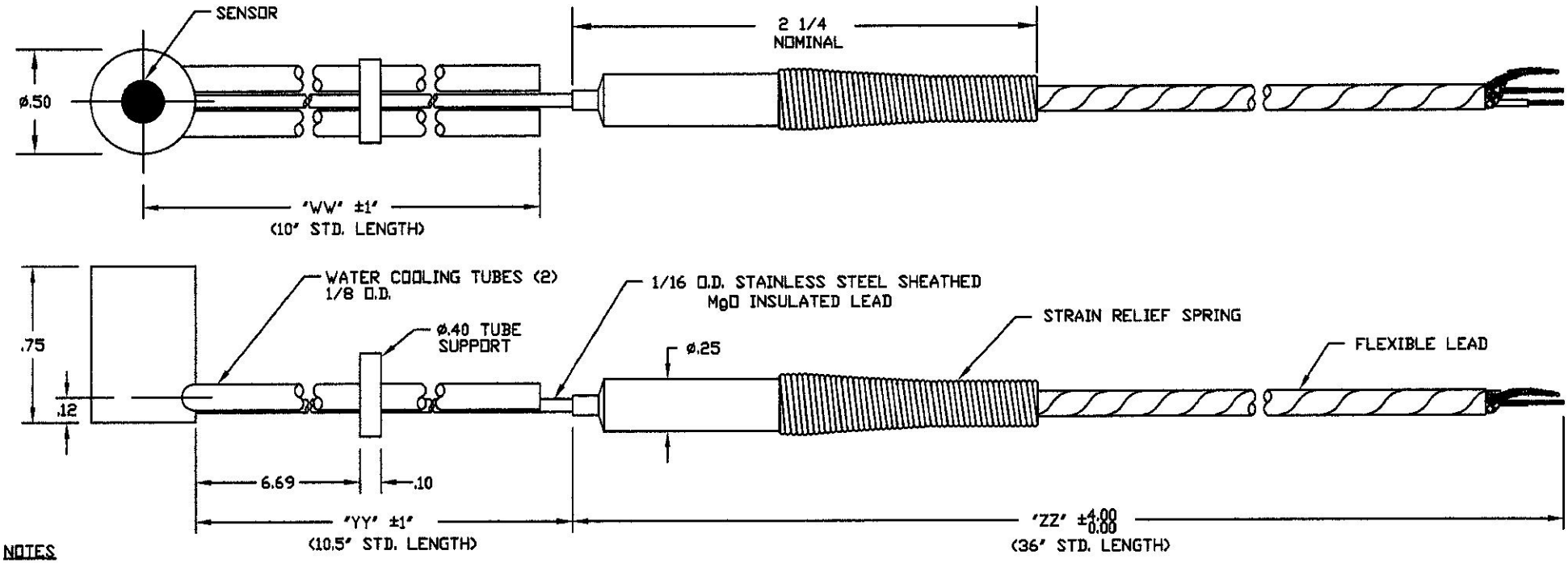

NOTES

1. P/N: GTW-XX-WW-YY-ZZ-32-485C is a water cooled total heat flux transducer which provides a linear EMF output directly proportional to the net absorbed heat transfer rate to the sensing tip. The standard output is 10 millivolts at the design heat flux level of "XX" Btu/ft²sec. Each unit is supplied with an individual calibration traceable to the National Institute of Standards and Technology.

2. Standard ranges: 0.2, 0.5, 1, 2, 5, 10, 15, 20, 25, 30, 40, 50, 100 Btu/ft²sec.

3. Standard sensor is Schmidt-Boelter thermopile for design heat flux range up to 30 Btu/ft²sec and Gardon gage at 40 Btu/ft² sec and above. Sensor coated with optical black.

4. Lead wire is ø.062 stainless steel sheathed MgO insulated copper/copper duplex cable "YY" inches long with a transition to 24 AWG stranded plated copper with Teflon insulation over each wire, braid shield, Teflon jacket overall. (White wire positive, Black wire negative). If leadwire lengths other than the std are desired, substitute the stainless steel sheathed cable length in inches for "YY" and the Teflon insulated leadwire length in inches for "ZZ" in the P/N. For an optional Type K body thermocouple, add a K after the 485C.

5. If other than the standard length, specify cooling tube length as "WW" (inches) in the P/N.

6. Water cooling jacket pressure tested to 150 psig.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES FRACTIONS ± 1/32 DECIMALS 2PL ± .01 3PL ± ANGLES ± 1°	HEAT FLUX TRANSDUCER WATER COOLED GTW-XX-WW-YY-ZZ-32-485C	MEDTHERM CORPORATION POST OFFICE BOX 412 HUNTSVILLE, ALABAMA 35804	
MATERIAL NOTED	SCALE: 2	DES.	DWG SIZE B — 485 — REV C
FINISH	ORIG. DWG 2/21/67	CHK.	
	CAD DWG 10/19/93	APP. DCP	
	DR. GMm		SHEET OF