



NOTES:

1. P/N: 16-XX-L-18-21597 is a water cooled total heat flux transducer that provides a linear EMF output directly proportional to the net absorbed heat transfer rate to the Ø1/4 sensing tip. The standard output is 10 millivolts at the design heat flux level 'XX' in Btu/ft²sec. Each unit is supplied with an individual calibration traceable to the National Institute of Standards and Technology. Specify body length 'L' to complete the Part Number.
2. Standard ranges: 2, 5, 10, 15, 20, 25, 30, 40, 50, 100, 150, 200, 250, 300, 500, 1000 Btu/ft²sec.
3. Standard sensor is the MEDTHERM Schmidt-Boelter thermopile for design heat flux range up to 20 Btu/ft²sec and Gardon gage at 25 Btu/ft²sec and above. Sensor coated with optical black. The Schmidt-Boelter thermopile sensor may be specified as an option for heat flux levels up to 100 Btu/ft²sec by using -'XX'SB- to specify heat flux range.
4. Lead wire is 28/32 AWG stranded copper with Teflon insulation, twisted pair, white wire positive, black wire negative.
5. An optional body temperature thermocouple may be specified by adding the ISA letter code for the desired thermocouple at the end of the P/N. Types E (Chromel/constantan), K (Chromel/Alumel), J (Iron/constantan), or T (Copper/constantan) are available. Thermocouple leadwire is Teflon insulated 28/30 AWG solid conductor duplex cable, ISA color code, red negative.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ANGLES	
FRACTIONS	DECIMALS	± 1°	
± 1/32	2PL ± .01		
	3PL ± .005		
MATERIAL	NOTED		
FINISH			
TOTAL HEAT FLUX TRANSDUCER			
P/N: 16-XX-L-18-21597			
SCALE:	DES.	DWG SIZE	REV
ORIG. DWG 3 / 18 / 71		B	21597 A
CAD DWG 2 / 20 / 00	CHK.		
DR.	GMG	APP.	DFG
		SHEET	OF

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