



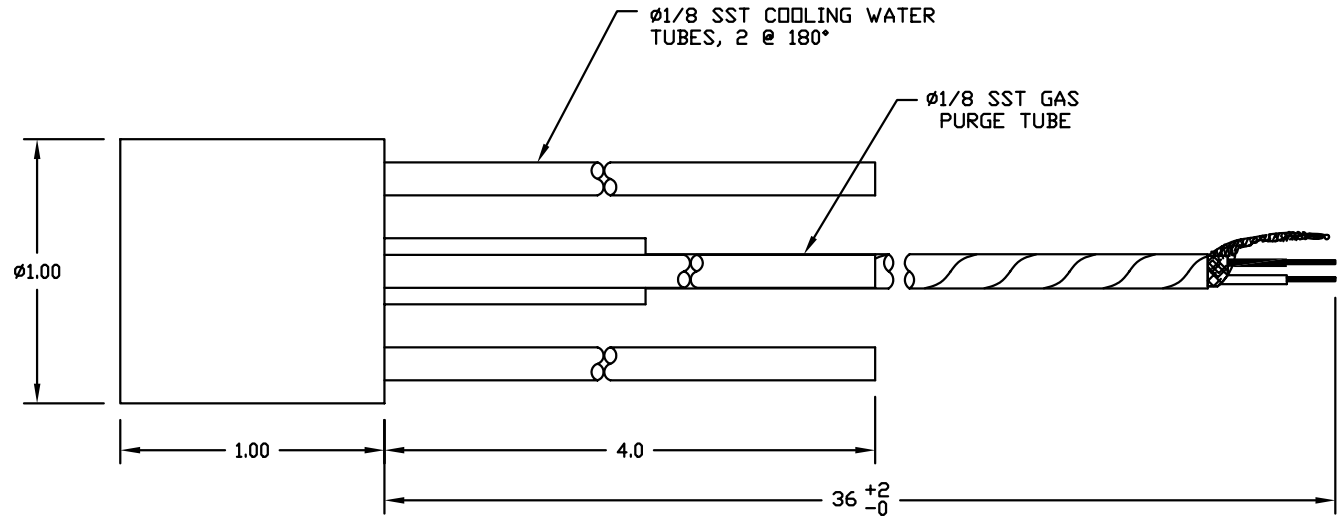
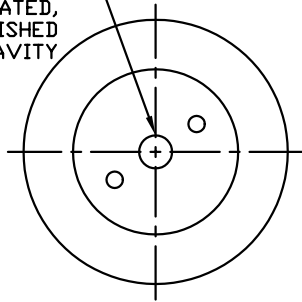
有限会社テクノオフィス

〒225-0011

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APERTURE TO GOLD PLATED, HIGHLY POLISHED ELLIPSOIDAL CAVITY



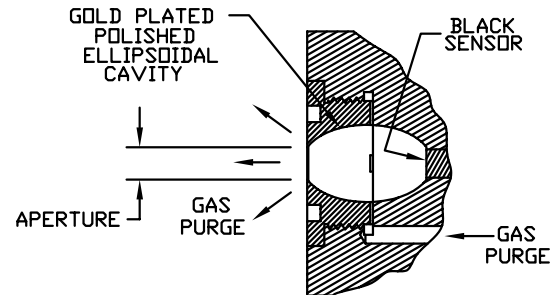
NOTES:

1. The Model 64EP-XX-20544 is a water cooled, gas purged, ellipsoidal infrared radiometer. The ellipsoidal radiometer does not use a window, eliminating concern for the spectral transmittance characteristics of a window. In a clean laboratory environment the unit may be operated without the inert gas purge. The ellipsoidal radiometer has a view angle of nearly 180° while maintaining a linear output directly proportional to the incident radiant flux entering the $\phi.125$ aperture. The standard nominal output is 10 millivolts at the design heat flux level "XX" in Btu/ft²sec. Other outputs are available. Each unit is supplied with a certified calibration traceable to NIST.

2. The transducer housing is OFHC copper with an entrance sensor aperture at one focus of the gold plated highly polished ellipsoidal cavity. At the other focus is a thermal radiation sensor coated with optical black.

3. The standard leadwire is 36 inches of 24 AWG stranded plated copper duplex wire with Teflon over each conductor (White positive, Black negative), plated copper braid over both.

4. To order, specify Model No. by replacing "XX" with the design heat flux level in Btu/ft²sec. The standard design heat flux level is 10 Btu/ft²sec.



CAVITY
DETAIL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES			ELLIPSOIDAL INFRARED RADIOMETER MODEL 64EP-XX-20544		MEDTHERM CORPORATION	
FRACTIONS $\pm 1/32$	DECIMALS 2PL $\pm .01$ 3PL $\pm .005$	ANGLES $\pm 30'$				
MATERIAL NOTED			SCALE:	DES.	DWG SIZE	REV
FINISH $\checkmark 32 +$ POLISH			ORIG. DWG 1/16 / 67	CHK.	B 20544	SHEET OF
			CAD DWG 3 / 9 / 93	APP. <i>DSR</i>		