

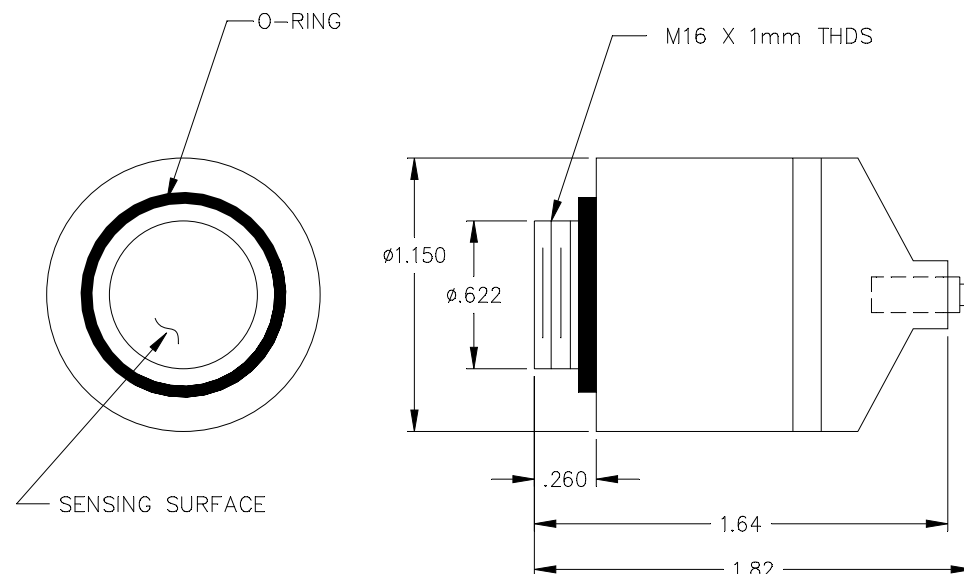
NOTES: UNLESS OTHERWISE SPECIFIED.


1. LABEL PER CUSTOMER SPECIFICATION
2. CONNECTIONS POLARITY :  
TIP (CENTER) - NEGATIVE (-)  
SLEEVE - POSITIVE (+)  
TYPICAL MATING PLUG SWITCHCRAFT .141" MINIATURE PHONE PLUGS  
P/N: 740 (SCREW TERMINAL) OR P/N: 750 (CLAMP-LUG TERMINAL).
3. TEMPERATURE COMPENSATION ERROR IS  $\pm 5\%$  OF FULL SCALE OVER THE OPERATING TEMPERATURE RANGE. WORST CASE TRACKING ERROR (WITHIN THE FIRST HOUR AFTER A MAXIMUM TEMPERATURE STEP) IS  $\pm 10\%$  OF FULL SCALE. (GAS SAMPLES MUST BE BROUGHT TO AMBIENT TEMPERATURE) PERCENT READOUT IS ONLY WITHIN  $\pm 1\%$  AT CONSTANT PRESSURE (E.G. A 10% INCREASE IN PRESSURE WILL RESULT IN A 10% INCREASE IN FULL SCALE).
4. ASSEMBLY TO BE PACKAGED IN A GAS BARRIER BAG.
5. ASSEMBLY MANUFACTURED AND TESTED TO MPD61679.

SPECIFICATIONS:

1. OUTPUT - (9-13MV) IN AIR 25°C AT SEA LEVEL.
2. RANGE - 0-100% OXYGEN (MAX), 0-1% OXYGEN (MIN).
3. RESPONSE TIME - LESS THAN 6 SEC. FOR 90% OF FINAL VALUE.
4. OPERATING TEMPERATURE RANGE - 0° TO 40°C (32° TO 104°F)
5. AVG EXPECTED CELL LIFE - 36 MONTHS IN AIR AT 25°C, 50% R.H.
6. STORAGE TEMPERATURE - 0° TO 50°C (32° TO 122°F)
7. HUMIDITY - 0 TO 99% RH (NON-CONDENSING).
8. ACCURACY - WITHIN  $\pm 1\%$  OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (SEE NOTE 3)
9. WEIGHT - 1.2 OZ (32 GM)
10. OFFSET -  $\leq 0.1\%$  O<sub>2</sub> IN < 30 SECONDS FOR A STEP CHANGE FROM AIR TO 0% O<sub>2</sub>.
11. REQUIRED LOAD 10K

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
0	INIT REL PER ECO 08-0028	03/11/08	MG	--



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TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR $\pm 1/2^\circ$			 <b>TELEDYNE INSTRUMENTS</b> <i>Analytical Instruments</i> A Teledyne Technologies Company City of Industry, California, 91748, USA		
LINEAR $\begin{cases} .X & = \pm .1 \\ .XX & = \pm .02 \\ .XXX & = \pm .010 \end{cases}$					
S/	SIGNATURES	DATE	TITLE  SPEC CONTROL DWG OXYGEN SENSOR CLASS R21AV		
N/	DRFT: MGONZALEZ	03/11/08			
I/	CHK:				
P/	APPR:				
O/	ENGR: MGONZALEZ				
F/	C.O.:		MATL. NOTED  DWG NO. B-81190  REV 0		
REFERENCE	CAD I.D. B81190-0				
			SCALE NONE SIM NONE SHEET 1 OF 1		