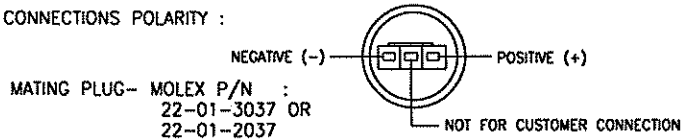


# PRELIMINARY PRINT

NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION
2. CONNECTIONS POLARITY :

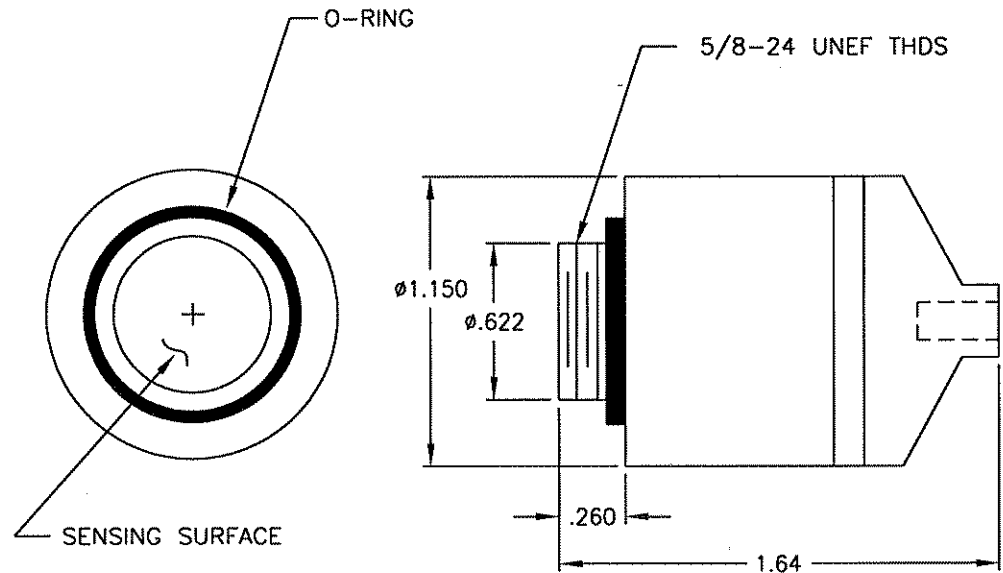


DATE 3-1-10 INIT. M.B.

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 -  $\leq 0.1\%$  O2 IN < 30 SECONDS FOR A STEP CHANGE FROM AIR TO 0% O2.
11. REQUIRED LOAD 10K



REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
0	INIT REL PER ECO 08-0028	03/11/08	MG	--
1	INC PER ECO 10-xxxx	03/01/10	MG	VF

DO NOT SCALE DWG		THIS DRAWING IS THE PROPERTY OF TELEDYNE INSTRUMENTS AND CONTAINS CONFIDENTIAL INFORMATION. IT IS NOT TO BE COPIED, REPRODUCED OR USED WITHOUT WRITTEN PERMISSION.	
TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR $\pm 1/2^\circ$		<b>TELEDYNE INSTRUMENTS</b> Analytical Instruments 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
N/	DRFT: MGONZALEZ	03/11/08	SPEC CONTROL DWG OXYGEN SENSOR CLASS R21AV
I/	CHK:		
P/	APPR:		
O/	ENGR: MGONZALEZ		
F/	C.O.:		
REFERENCE	CAD I.D. B81190-1		
		MATL.	NOTED
		DWG NO.	B-81190
		REV	1
		SCALE	NONE
		SIM	NONE
		SHEET	1 OF 1