

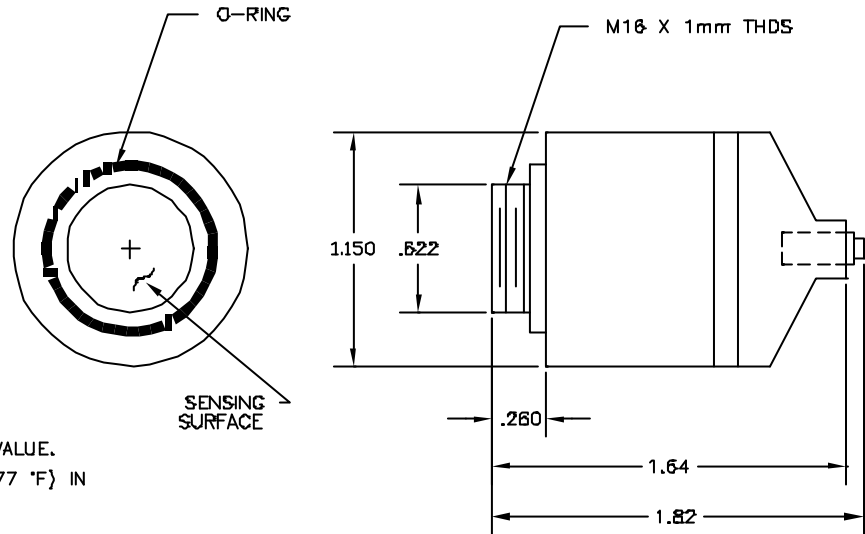
NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION
2. CONNECTORS 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 $\pm 7.5\%$ 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 READING).
4. ASSEMBLY TO BE PACKAGED IN A GAS BARRIER BAG.
5. ASSEMBLY MANUFACTURED AND TESTED TO MPD-51879.

SPECIFICATIONS:

- 1) OUTPUT - (7-13MV) IN AIR AT 25 °C, SEA LEVEL
- 2) RANGE - 0-1 ATM PO₂, 0-2 ATM PO₂
- 3) ACCURACY - WITHIN $\pm 1\%$ OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (0-1 ATM); $\pm 2\%$ FULL SCALE ATM AT CONSTANT PRESSURE AND TEMPERATURE (0-2 ATM PO₂)
- 4) RESPONSE TIME - LESS THAN 6 SECONDS FOR 90% OF FINAL VALUE.
- 5) OFFSET - LESS THAN 0.5% OF OXYGEN EQUIVALENT AT 25 °C (77 °F) IN ZERO GAS AFTER 36 SECONDS.
- 6) HUMIDITY - 0 TO 99% R.H. (NON-CONDENSING).
- 7) OPERATING TEMPERATURE RANGE - 0 TO 40 °C (32 TO 104 °F)
- 8) STORAGE TEMPERATURE - 0 TO 50 °C (32 TO 122 °F)
- 9) AVG. EXPECTED CELL LIFE - 36 MONTHS IN AIR AT 25 °C AND 50% R.H.
- 10) SHELF LIFE: 24 MONTHS
- 11) WEIGHT - 1.1 OZ (31 GRAMS)
- 12) LOAD - 10K REQUIRED

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV.
0	INITIAL RELEASE 00-0270			---



ITEM	QTY	PART No.	DESCRIPTION
BILL OF MATERIAL			
DID NOT SCALE DWG		THIS DRAWING IS THE PROPERTY OF TELEDYNE ANALYTICAL INSTRUMENTS AND CONTAINS CONFIDENTIAL INFORMATION. IT IS NOT TO BE COPIED, REPRODUCED BY USED WITHOUT WRITTEN PERMISSION.	
TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR $\pm 1/2^\circ$		 Teledyne Analytical Instruments A business unit of Teledyne Electronic Technologies CITY OF INDUSTRY, CALIFORNIA 91748	
LINEAR $\begin{cases} X & = \pm .1 \\ XX & = \pm .02 \\ XXX & = \pm .010 \end{cases}$			
S/			
SIGNATURES		DATE	TITLE
N/	DRFT: D. COMSA	7-5-88	SPEC. CONTROL DWG. OXYGEN SENSOR CLASS R17D
V/	CHK:		
P/	APPR:		
O/	ENGR: M. GONZALEZ		
F/	ESC:		
REFERENCE	CAD I.D. B72146-D		
		NATL.	DWG NO.
			B-72146
			REV
			0
			SHEET 1 OF 1