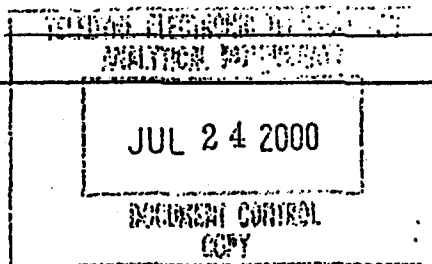


NOTES: UNLESS OTHERWISE SPECIFIED.

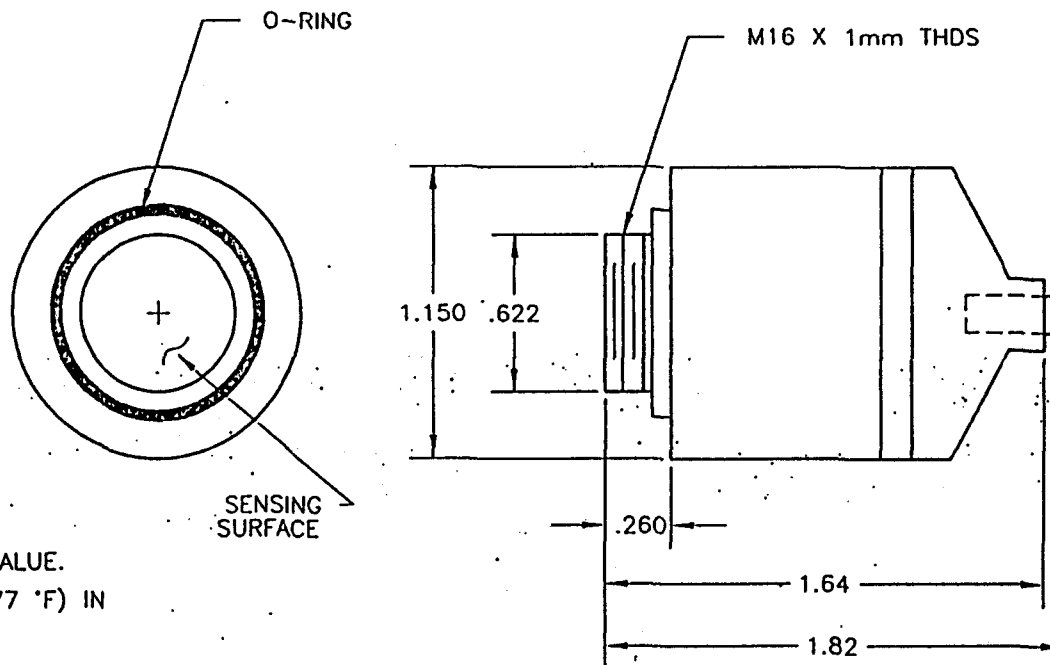
1. LABEL PER CUSTOMER SPECIFICATION
2. CONNECTORS POLARITY :
TIP (CENTER)- NEGATIVE (-)
SLEEVE - POSITIVE (+)
TYPICAL MATING PLUG SWITCHCRAFT .141" MINIATURE PHONE PLUGS
P/N: 740 (SCREW TERMINAL) OR P/N: 750 (CLAMP-LUG TERMINAL).
3. TEMPERATURE COMPENSATION ERROR IS $\pm 5\%$ OF FULL SCALE OVER THE OPERATING 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-61679.

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. BY
0	INITIAL RELEASE 00-0270	7-6-00	am.b	--



ITEM	QTY	PART No.	DESCRIPTION
BILL OF MATERIAL DO NOT SCALE DWG TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR $\pm 1/2^\circ$ LINEAR $\begin{cases} .XX & = \pm .1 \\ .XXX & = \pm .02 \\ .XXXX & = \pm .010 \end{cases}$ THIS DRAWING IS THE PROPERTY OF TELEDYNE ANALYTICAL INSTRUMENTS AND CONTAINS CONFIDENTIAL INFORMATION. IT IS NOT TO BE COPIED, REPRODUCED OR USED WITHOUT WRITTEN PERMISSION. Teledyne Analytical Instruments A business unit of Teledyne Electronic Technologies CITY OF INDUSTRY, CALIFORNIA 91748			
S/ SIGNATURES DATE N/ DRFT: D. COMSA 7-5-00 I/ CHK: P/ APPR: O/ ENGR: M. GONZALEZ F/ S.O.: REFERENCE CAD I.D. B72146-0			TITLE SPEC. CONTROL DWG. OXYGEN SENSOR CLASS R17D MATL. -----
SCALE NTS SIM SHEET 1 OF 1			DWG NO. B-72146 REV 0