

NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION
2. CONNECTIONS POLARITY:

NEGATIVE(-)  POSITIVE(+)

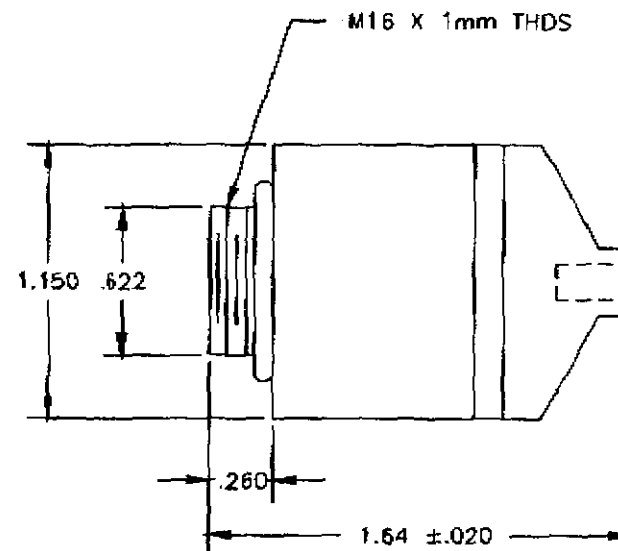
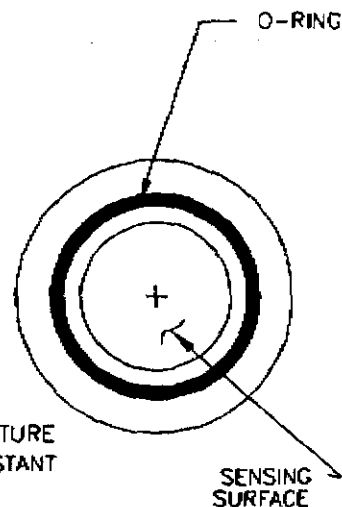
MATING PLUG- MOLEX P/N:
22-01-3037 OR
22-01-2037

NOT FOR CUSTOMER CONNECTION

3. TEMPERATURE COMPENSATION ERROR IS $\pm 6\%$ 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 AND MPD-81679.

SPECIFICATIONS:

- 1) OUTPUT - (8-13MV) 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 AT CONSTANT TEMPERATURE AND PRESSURE (0-2 ATM PO₂) WHEN CALIBRATED WITH 100% OXYGEN.
- 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 - 1.2 OZ (32 GRAMS).
- 12) LOAD - 10K REQUIRED.



REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
1	INC ECO 01-0122	10/1/01	MG	VF
2	INC ECO 03-0104	12/18/03	MG	VF

ITEM	QTY	PART No.	DESCRIPTION
BILL OF MATERIAL			
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 $\pm 1/2^\circ$		 TELEDYNE INSTRUMENTS Analytical Instruments A Teledyne Technologies Company City of Industry, California, 91744 USA	
LINEAR $\begin{cases} .X & = \pm .1 \\ .XX & = \pm .02 \\ .XXX & = \pm .005 \end{cases}$		SCALE 2 : 1 SHEET 1 OF 1	
S/	SIGNATURES	DATE	TITLE
N/	DRFT: D. CONSA	7-5-00	SPEC. CONTROL DWG. OXYGEN SENSOR CLASS R22D
I/	CHK:		
P/	APPR:		
D/	ENGR: M. GONZALEZ		
F/	C.D.:		
REFERENCE	CAD I.D. 872149-2	MATL	DWG NO. B-72149 REV 2