

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

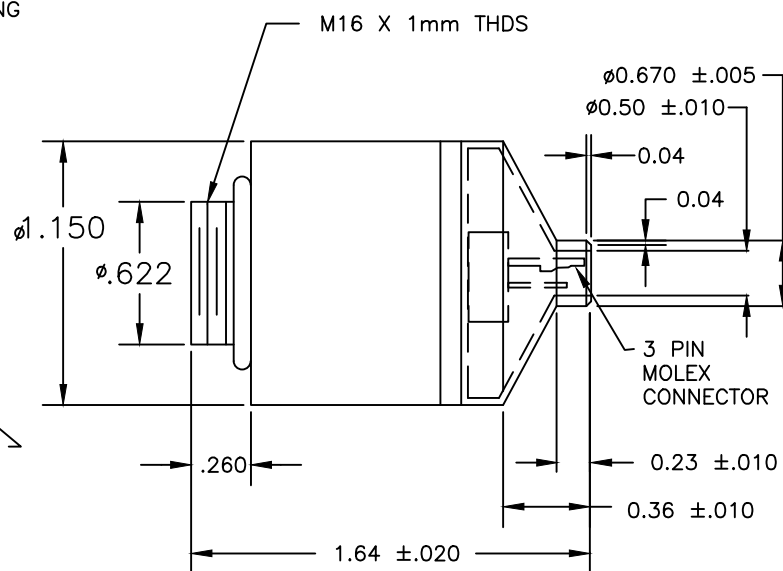
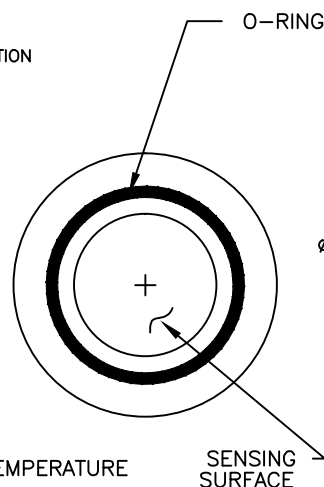
3. TEMPERATURE COMPENSATION ERROR IS $\pm 5\%$ OF FULL SCALE OVER THE OPERATING TEMPERATURE RANGE. WORST CASE TRACKING ERROR (WITHIN THE FIRST HOUR AFTER A MAXIMUM TEMPERATURE STEP) IS $\pm 10\%$ OF FULL SCALE. (GAS SAMPLES MUST BE BROUGHT TO AMBIENT TEMPERATURE) PERCENT READOUT IS ONLY WITHIN $\pm 1\%$ AT CONSTANT PRESSURE (E.G. A 10% INCREASE IN PRESSURE WILL RESULT IN A 10% INCREASE IN READING).

4. ASSEMBLY TO BE PACKAGED IN A GAS BARRIER BAG.


5. ASSEMBLY MANUFACTURED AND TESTED AND MPD-61679.

SPECIFICATIONS:

- 1) OUTPUT - (7-13MV) IN AIR AT 25 °C, SEA LEVEL
- 2) RANGE - 0-100% OXYGEN.
- 3) ACCURACY - WITHIN $\pm 1\%$ OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE.
- 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) CROSS INTERFERENCE - LESS THAN 1.25% O₂ RESPONSE TO: 6% HALOTHANE, 6% ISOFLURANE, 6% ENFLURANE, 7% SEVOFLURANE, 20% DESFLURANE IN 30% O₂/70% N₂ MIXTURE.
- 7) HUMIDITY - 0 TO 99% R.H. (NON-CONDENSING).
- 8) OPERATING TEMPERATURE RANGE - 0 TO 40 °C (32 TO 104 °F)
- 9) STORAGE TEMPERATURE - 0 TO 50 °C (32 TO 122 °F)
- 10) AVG. EXPECTED CELL LIFE - 36 MONTHS IN AIR AT 25 °C AND 50% R.H.
- 11) WEIGHT - 1.2 OZ (32 GRAMS)
- 12) LOAD - 10K REQUIRED



REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
0	INC. ECO 08-0166	10/13/08	MN	MN

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 <i>Analytical Instruments</i> A Teledyne Technologies Company City of Industry, California, 91748, USA		
LINEAR $\begin{matrix} \{.X & = & \pm .1 \\ \{.XX & = & \pm .02 \\ \{.XXX & = & \pm .005 \end{matrix}$					
SIGNATURES		DATE	TITLE		
DRFT: M NGUYEN		9/3/08	SPEC. CONTROL DWG. OXYGEN SENSOR C81828-R22MATOM		
CHK:					
APPR: M NGUYEN		9/3/08			
ENGR: M. NGUYEN					
C.O.:					
CAD I.D. B45400-8			MATL.	DWG NO.	REV
			-----	B-81829	0