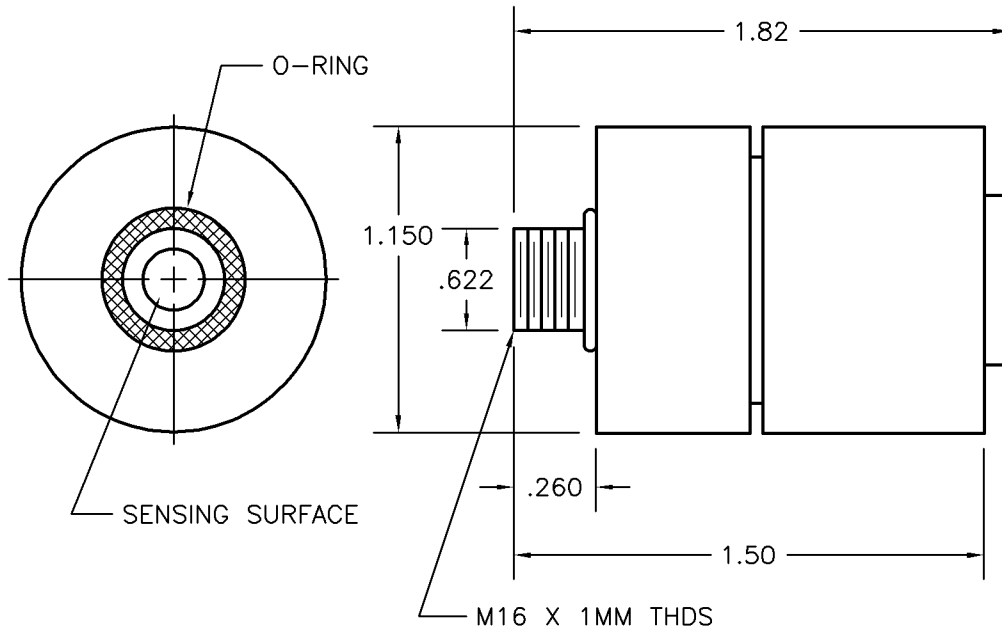


NOTES: UNLESS OTHERWISE SPECIFIED.



REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
5	INC ECO 94-085	1/31/94	JML	--
6	INC ECO 96-712	3-11-97	M.G.	VF

SPECIFICATION:

- 1) OUTPUT $-(0.40 \pm 0.1)$ MICROAMPS) AT 25 °C, SEA LEVEL
- 2) RANGE - 0-100% OXYGEN
- 3) ACCURACY - WITH $\pm 2\%$ OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE WHEN CONNECTED TO PROPER AMPLIFIER CIRCUIT.
- 4) RESPONSE TIME - LESS THAN 6 SECONDS FOR 90% OF FINAL VALUE AT 5L/MIN.
- 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 - 0-99% 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)

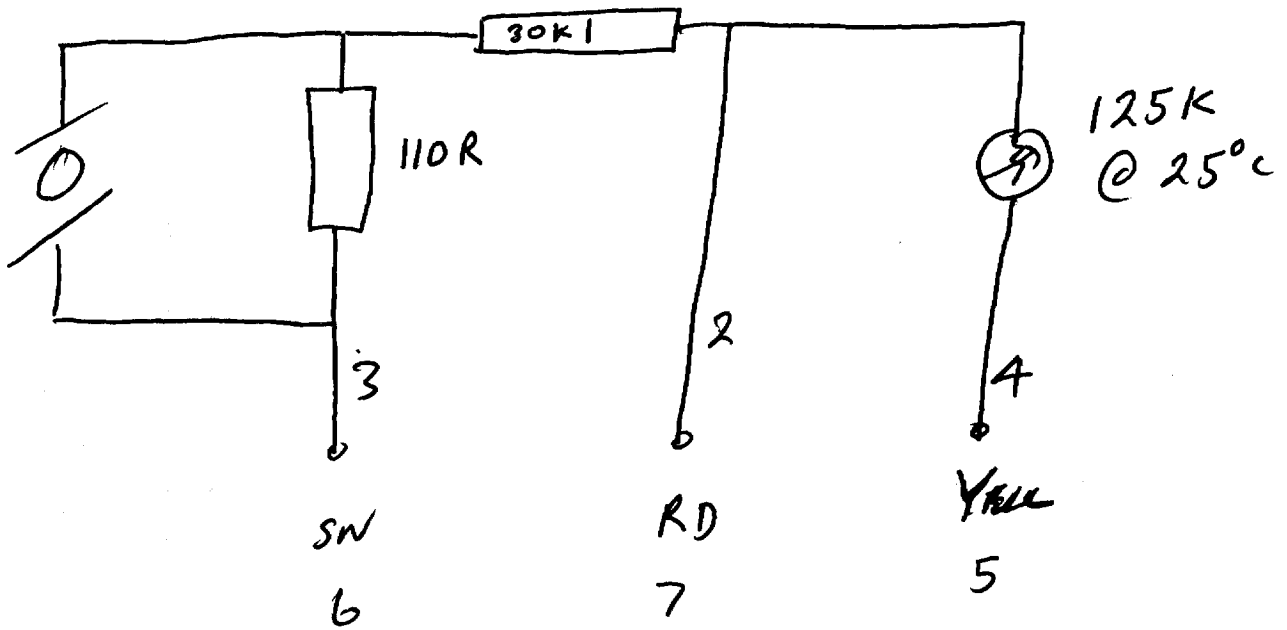
NOTES:

- 1) 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.
- 2) ASSEMBLY PACKAGED IN A GAS BARRIER BAG.
- 3) MATES ELECTRICALLY WITH TAI P/N C885 CABLE ASSY.
- 4) ASSEMBLY MANUFACTURED AND TESTED TO MPD-61679 AND TP-51327.
- 5) LABEL PER CUSTOMER SPECIFICATION.

ITEM	QTY	PART No.	DESCRIPTION
BILL OF MATERIAL			
DO NOT SCALE DWG		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.	
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 { .X = $\pm .1$			
{ .XX = $\pm .02$			
{ .XXX = $\pm .010$			
S/	SIGNATURES		DATE
N/	DRFT: Maritza V.		1/31/94
I/	CHK:		
P/	APPR:		
O/	ENGR:		
F/ A-51592	S.O.:		
REFERENCE	CAD I.D. B51492-6		
TITLE			SCALE NTS
CLASS T-7 OXYGEN SENSOR SPEC. CONTROL DRAWING			SIM -----
			SHEET 1 OF 1
MATL.		DWG NO.	REV
--		B-51492	6

T-7

INTERNAL WIRING



2

NOTES: UNLESS OTHERWISE SPECIFIED

- ① SEAL REAR COVER IN PLACE USING 3M 4893 PLASTIC ADHESIVE.
- ② SEE MP-A51327 FOR FINAL ASS'Y PROCEDURE. DO NOT INSTALL DIVERTER ASS'Y ON SENSOR ASS'Y. {AS SHOWN}
- ③ SEAL DIVERTER CAP IN PLACE USING A-59557 DOUBLE SIDED ADHESIVE WASHER.

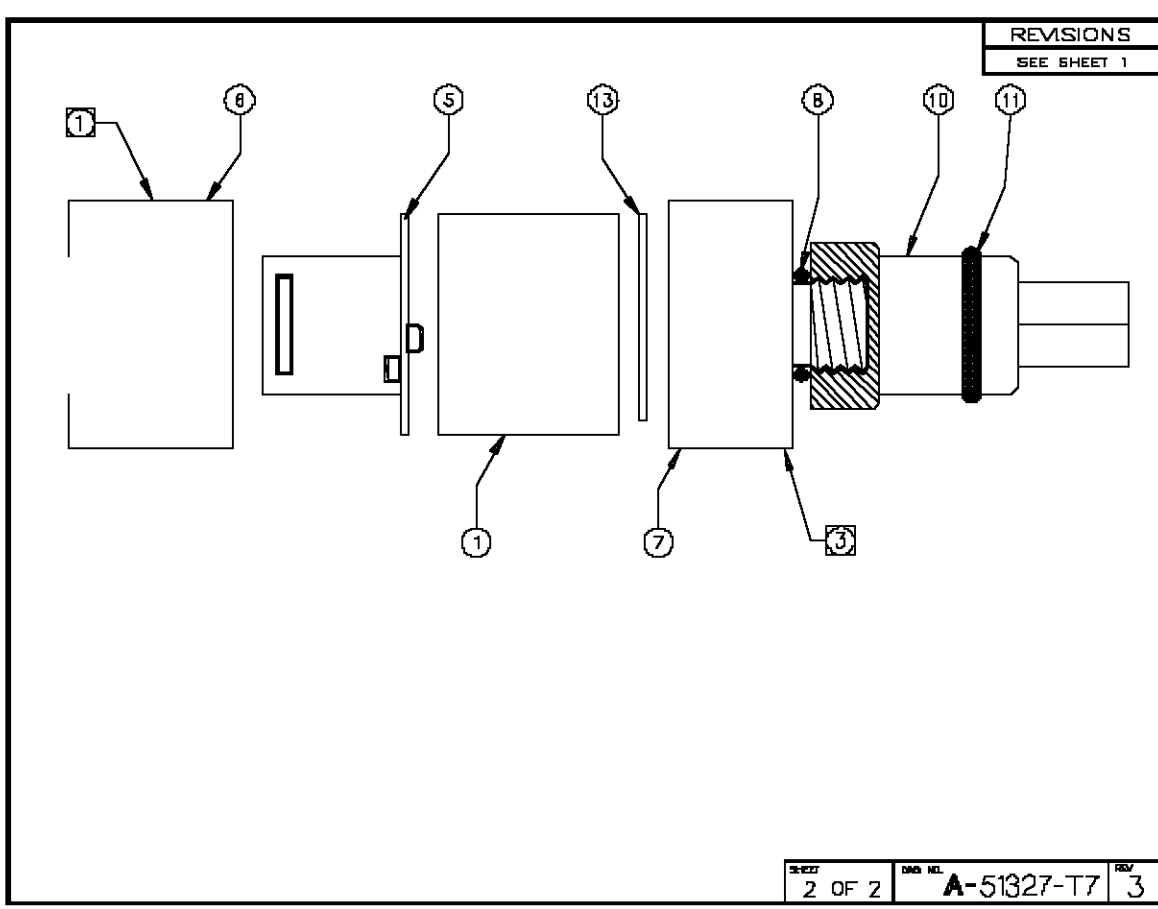
REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
2	INC. ECO 98-0148	3/24/98	JML	VF
3	INC. ECO# 98-0377	8-24-98	JML	M.V.

18	REF	B-51492	SPEC. CONTROL DWG.
17	REF	MPD-01879	MANUFACTURING PROCEDURE
16	1	A-89851C	LABEL, BAG, (NOT SHOWN)
15	1	B 174	BAG, (NOT SHOWN)
14	2	O 234	O-RING (NOT SHOWN)
13	1	A-59557	WASHER, ADHESIVE (DOUBLE SIDES)
12	1	A-57108	RING, INSULATING, (NOT SHOWN)
11	1	O 211	O-RING
10	1	B-47967	DIVERTER
9	1	A-51360	LABEL, T-7, (NOT SHOWN)
8	1	O 28	O-RING
7	1	A-52074	DIVERTER CAP
6	1	A-51328	COVER
5	1	A-51324	PCB ASSY
4	1	A-40862	CLAMP RETAINER RING (NOT SHOWN)
3	1	A-48578	MEMBRANE CLAMP (NOT SHOWN)
2	1	A-40858	CUSHION CLAMP (NOT SHOWN)
1	1	C-51367	WET, SUBASSY, T-7
ITEM	QTY	PART NO.	DESCRIPTION

BILL OF MATERIAL

DO NOT SCALE DWG
 TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR ±1/2
 LINEAR $\pm .001$
 HOLE $\pm .002$
 DIA $\pm .001$

SIGNATURE: _____ DATE: 8/28/98 DR: T. J. JONES CHK: _____ APPR: _____ ENGR: J. J. LAUER S.D.: _____ REFERENCE: DAD LB. 17-3	TITLE: FINAL ASSEMBLY OXYGEN SENSOR CLASS T-7 DATE: 8/28/98 DRAWING NO.: A-51327-T7 REV: 3	SCALE: NTS SHEET: 1 OF 2
--	---	-----------------------------



REVISIONS	
REV	DESCRIPTION
1	SEE SHEET 1