

NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION
2. CONNECTIONS POLARITY :

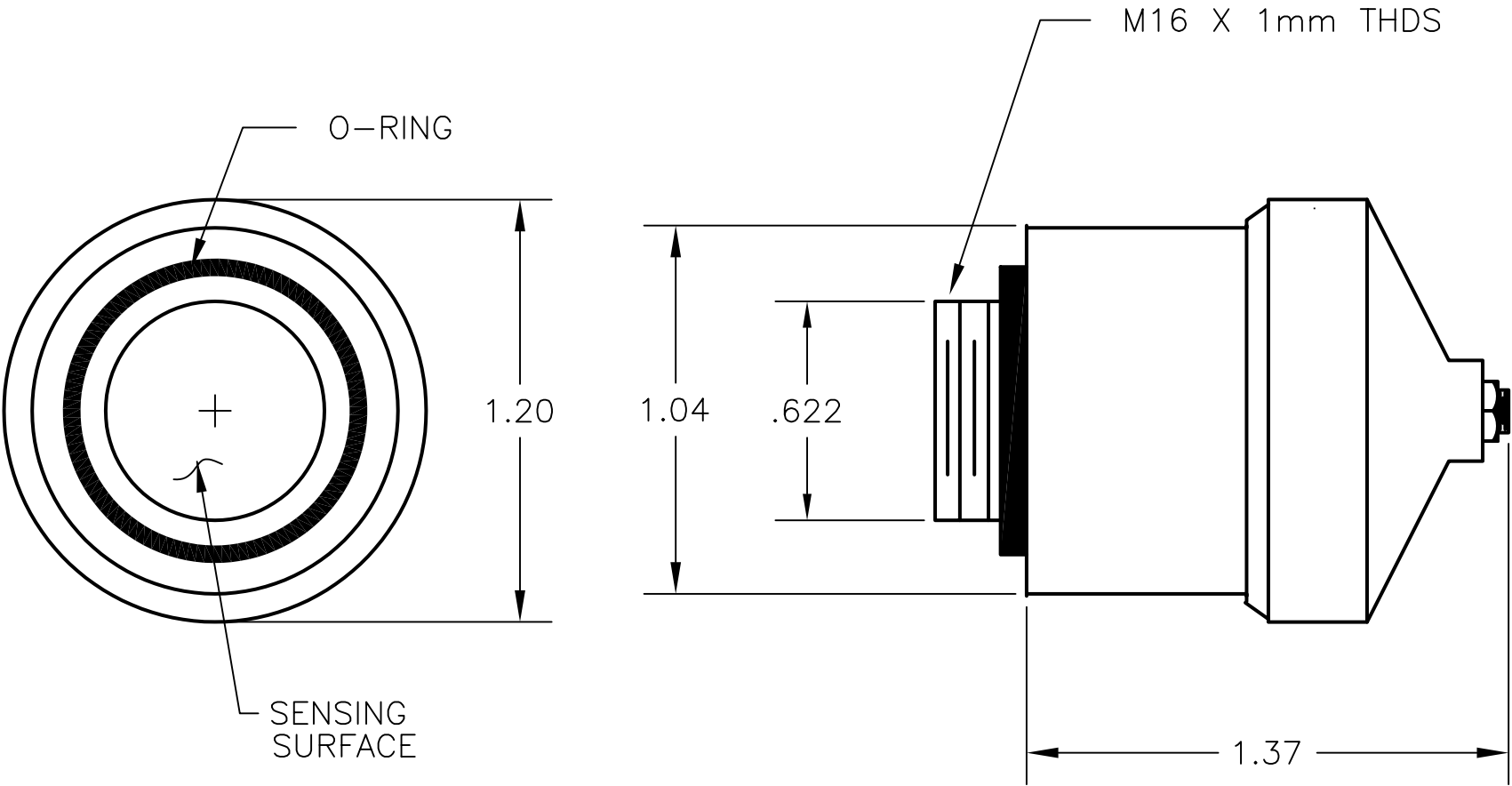
TIP (CENTER): NEGATIVE(−)
SLEEVE: POSITIVE(+)
MATING PLUG− SWITCH CRAFT .141” MINIATURE PHONE PLUGS
P/N 740 (SCREW TERMINAL) OR
P/N 750 (CLAMP−LUG TERMINAL)


3. TEMPERATURE COMPENSATION ERROR IS ±5% OF FULL SCALE OVER THE OPERATING TEMPERATURE RANGE. WORST CASE TRACKING ERROR (WITHIN THE FIRST HOUR AFTER A MAXIMUM TEMPERATURE STEP) IS ±10% OF FULL SCALE. (GAS SAMPLES MUST BE BROUGHT TO AMBIENT TEMPERATURE) PERCENT READOUT IS ONLY WITHIN ±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 TESTED TO TAI MPC−61340 AND TP−51801.

SPECIFICATIONS:

- 1) OUTPUT − (7−13MV) IN AIR AT 25°C, SEA LEVEL
- 2) RANGE − 0−100% OXYGEN
- 3) ACCURACY − WITHIN ±1% OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE.
- 4) RESPONSE TIME − LESS THAN 10 SECOND FOR 90% OF FINAL VALUE.
- 5) OFFSET − LESS THAN 0.5% OF OXYGEN EQUIVALENT AT 25°C (77°F) IN ZERO GAS AFTER 60 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% N2O 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) EXPECTED CELL LIFE − 24 MONTHS IN AIR AT 25°C AND 50% R.H.
- 11) WEIGHT − 1.0 oz (28 GRAMS)
- 12) LOAD − 10K REQUIRED

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
1	ECO 95−887	12/18/95	JML	LG
2	INC ECO 96−1131	11−21−96	M.G.	VF



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 ±1/2° <div>LINEAR { .X = ±.1 .XX = ±.02 .XXX = ±.010</div>			<div> Teledyne Analytical Instruments</div> <div>A business unit of Teledyne Electronic Technologies</div> <div>CITY OF INDUSTRY, CALIFORNIA 91748</div>			
S/	SIGNATURES		DATE		TITLE CLASS R26MED OXYGEN SENSOR SPEC CONTROL DWG	
N/	DRFT: L. GARCES		11/20/96			
I/	CHK:					
P/	APPR:					
O/	ENGR: J. LAUER					
F/	S.O.:		MATL.		DWG NO.	REV
REFERENCE	CAD I.D. B64339-2		---		B-64339	2
				SCALE 2:1		SIM B-62321
				SHEET 1 OF 1		