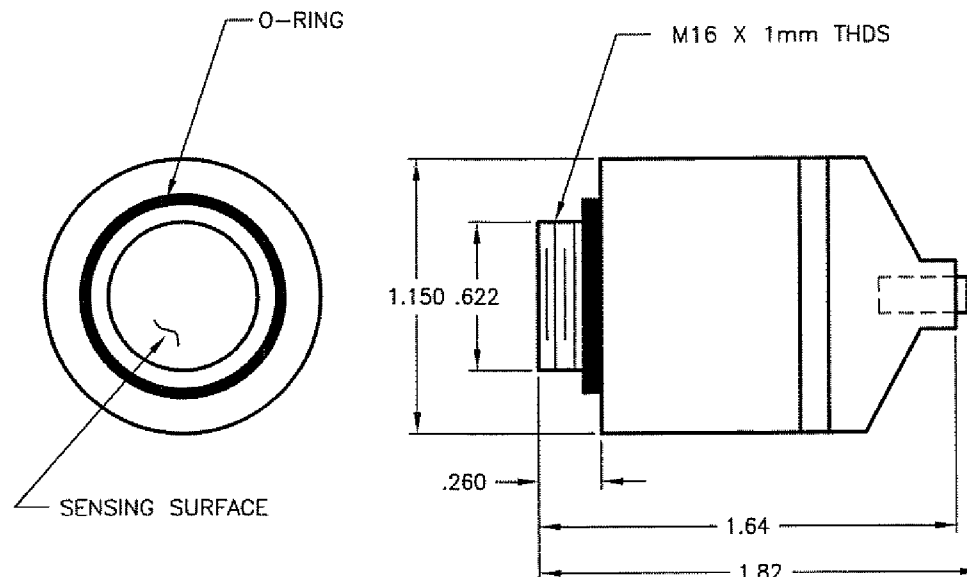


NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION
2. CONNECTIONS 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 $\pm 10\%$ 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 FULL SCALE).
4. ASSEMBLY TO BE PACKAGED IN A GAS BARRIER BAG.
5. ASSEMBLY MANUFACTURED AND TESTED TO MPD61679.

SPECIFICATIONS:

1. OUTPUT - (10.5-13.5 MV) IN AIR 25°C AT SEA LEVEL.
2. RANGE - 0-100% OXYGEN (MAX), 0-1% OXYGEN (MIN).
3. RESPONSE TIME - LESS THAN 6 SEC. FOR 90% OF FINAL VALUE.
4. OPERATING TEMPERATURE RANGE - 0° TO 40°C (32° TO 104°F)
5. AVG EXPECTED CELL LIFE - 36 MONTHS IN AIR AT 25°C, 50% R.H.
6. STORAGE TEMPERATURE - 0° TO 50°C (32° TO 122°F)
7. HUMIDITY - 0 TO 99% RH (NON-CONDENSING).
8. ACCURACY - WITHIN $\pm 1\%$ OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (SEE NOTE 3)
9. WEIGHT - 1.2 OZ (32 GM)
10. OFFSET - $\leq 0.1\%$ O₂ IN ≤ 30 SECONDS FOR A STEP CHANGE FROM AIR TO 0% O₂.
11. REQUIRED LOAD 10K



REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
0	INIT REL ECO 00-0514	12/7/00	JML	--

DO NOT SCALE DWG	
TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR $\pm 1/2^\circ$	
LINEAR	$\begin{cases} .X & = \pm .1 \\ .XX & = \pm .02 \\ .XXX & = \pm .010 \end{cases}$

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Teledyne Analytical Instruments
A business unit of Teledyne Electronic Technologies
CITY OF INDUSTRY, CALIFORNIA 91748

SIGNATURES	DATE
N/ DRFT: VFig	12/5/00
I/ CHK:	
P/ APPR:	
O/ ENGR: JAY LAUER	
F/ S.O.:	
REFERENCE	CAD I.D. B73201-0

TITLE		SCALE	NONE
SPEC CONTROL DWG OXYGEN SENSOR CLASS R-17AH		SIM	NONE
		SHEET	1 OF 1
MATL	NOTED	DWG NO.	B-73201
		REV	0