

PRELIMINARY PRINT

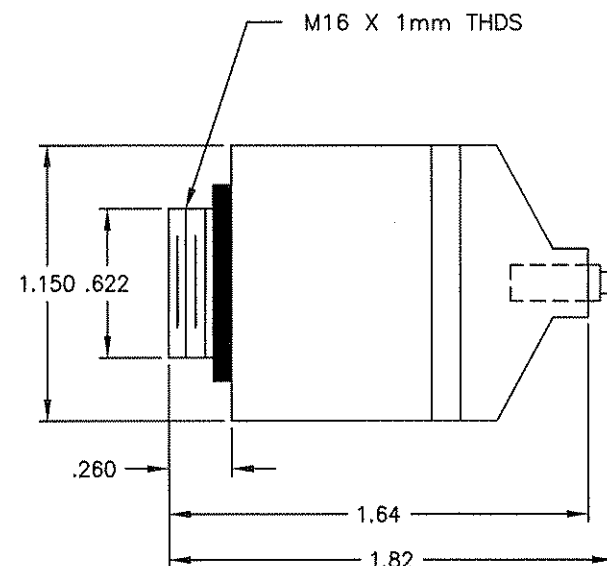
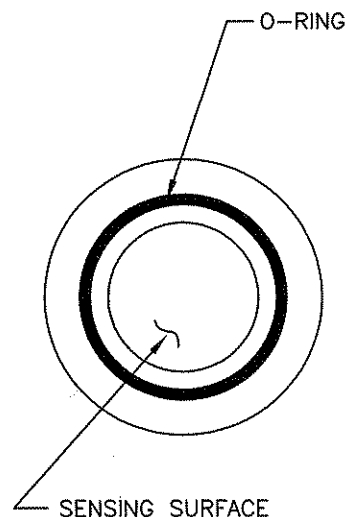
DATE 1-11-12 INIT. MB

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 - (7-11.5 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 PER ECO 12-0003	12/01/11	MG	VF

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LINEAR $\begin{cases} .XX & = \pm .1 \\ .XXX & = \pm .02 \\ .XXX & = \pm .010 \end{cases}$			
SIGNATURES			
N/	DRFT: MGONZALEZ	DATE	12/01/11
I/	CHK:		
P/	APPR: MGONZALEZ		
O/	ENGR: MGONZALEZ		
F/	S.O.:		
REFERENCE	CAD I.D. B86497-0		
TITLE		SPEC CONTROL DWG OXYGEN SENSOR CLASS R-17A-LV	
MATERIAL		NOTED	
DWG NO.		B-86497	
SCALE		NONE	
SIM		NONE	
SHEET		1 OF 1	
REV		0	