

NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION

2. CONNECTION POLARITY: RD(+) BK(-)

MATING PLUG-MOLEX

22-28-0021 OR
22-28-3021 OR
22-23-5024



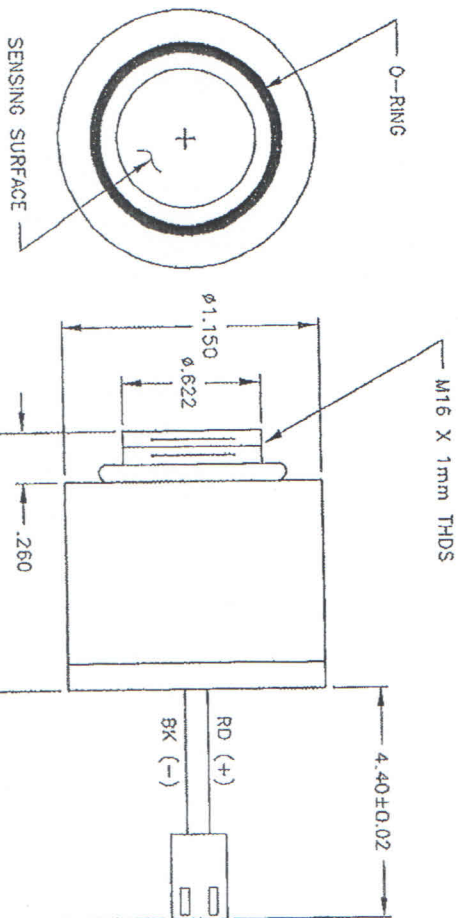
3. TEMPERATURE COMPENSATION ERROR IS $\pm 5\%$ OF FULL SCALE OVER THE OPERATING TEMPERATURE RANGE. WORST CASE TRACKING ERROR (WITHIN THE FIRST HOUR AFTER A MAXIMUM TEMPERATURE STEP) IS $\pm 5\%$ OF FULL SCALE. (GAS SAMPLES MUST BE BROUGHT TO AMBIENT TEMPERATURE) PERCENT READOUT IS ONLY WITHIN $\pm 1\%$ 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 PER MPD-61679 AND C74069-R33S1.

SPECIFICATIONS:

- 1) OUTPUT - 25 ± 2 mV IN AIR AT 25 °C, SEA LEVEL.
- 2) RANGE - 0-1 ATM PO2
- 3) ACCURACY - WITHIN $\pm 1\%$ OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (0-1 ATM) WHEN CALIBRATED WITH 100% OXYGEN.
- 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) HUMIDITY - 0 TO 99% R.H. (NON-CONDENSING).
- 7) OPERATING TEMPERATURE RANGE - 0 TO 40 °C (32 TO 104 °F).
- 8) STORAGE TEMPERATURE - 0 TO 50 °C (32 TO 122 °F).
- 9) AVG. EXPECTED CELL LIFE - 36 MONTHS IN AIR AT 25 °C AND 50% R.H.
- 10) WEIGHT - 1.0 OZ (28.3 GRAMS).
- 11) LOAD - 10K REQUIRED.
- 12) APPLICATION - FOR SURFACE/ABOVE-WATER DIVING-CYLINDER VERIFICATION APPLICATIONS; NOT INTENDED FOR UNDERWATER USE.



REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV.
0	INIT REL PER ECO 10-0110	05/24/10	MG	VF

ITEM	QTY	PART No.	DESCRIPTION
<p>DO NOT SCALE DRAWING</p> <p>UNLESS OTHERWISE SPECIFIED</p> <p>TOLERANCES ARE IN INCHES</p> <p>ANGULAR $\pm 1/2^\circ$ LINEAR $\pm .02$</p> <p>XXX = $\pm .005$</p>			
S/		SIGNATURES	DATE
N/		DRT: MONTANEZ	05/24/10
I/		CHK:	
P/		APPR:	
O/		ENGR: MONTANEZ	
F/		C.O.: STANDARD	
REFERENCE	CAO ID: B84228-0		

BILL OF MATERIAL			
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TITLE		SCALE	
SPEC. CONTROL DWG.		NONE	
OXYGEN SENSOR		SMA B-72149	
CLASS R33S1		SHEET 1 OF 1	
MATERIAL		REV	
NONE		0	
DWG NO.		B-84228	