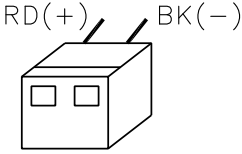


NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION

2. CONNECTION POLARITY:
MATING PLUG—MOLEX
22-28-0021 OR
22-28-3021 OR
22-23-5024



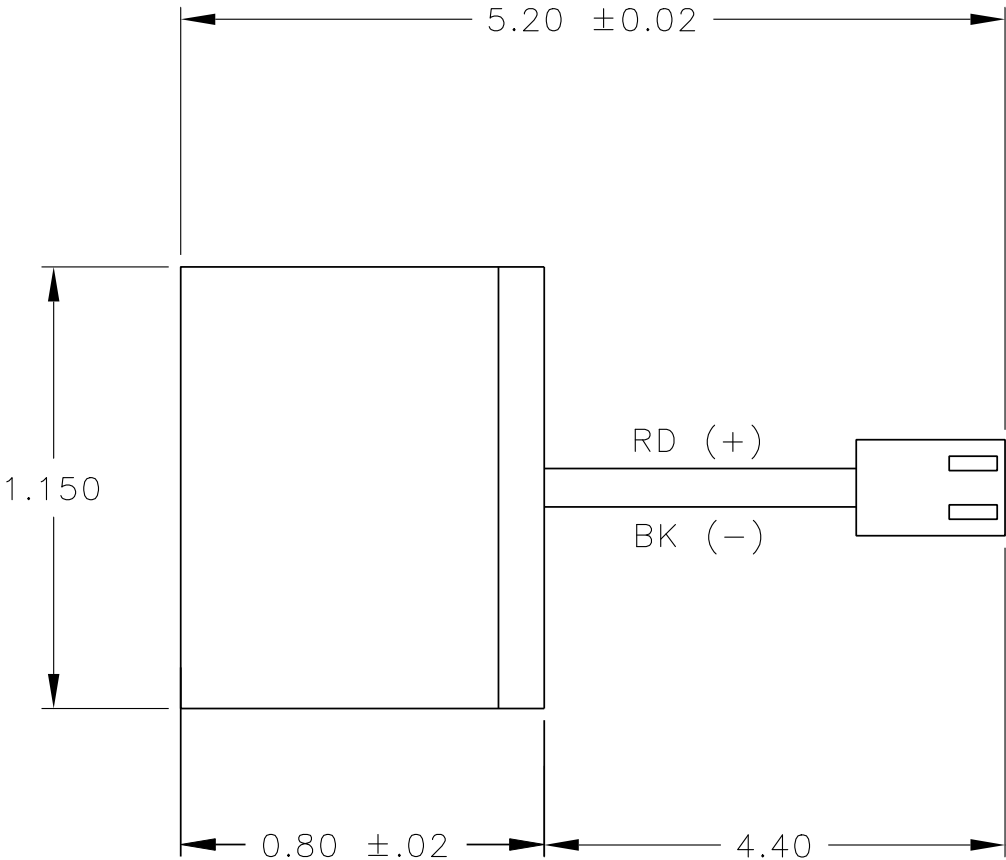
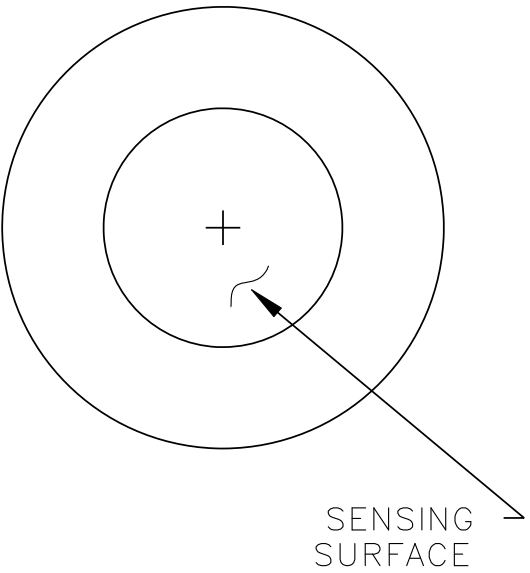
3. TEMPERATURE COMPENSATION ERROR IS $\pm 5\%$ OF FULL SCALE OVER THE OPERATING TEMPERATURE RANGE. WORST CASE TRACKING ERROR (WITHIN THE FIRST HOUR AFTER A MAXIMUM TEMPERATURE STEP) IS $\pm 5\%$ OF FULL SCALE. (GAS SAMPLES MUST BE BROUGHT TO AMBIENT TEMPERATURE) PERCENT READOUT IS ONLY WITHIN $\pm 1\%$ 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-R33S.


SPECIFICATIONS:

- 1) OUTPUT — $(25 \pm 2 \text{ mV})$ 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.

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ITEM	QTY	PART No.	DESCRIPTION		
BILL OF MATERIAL					
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE: ANGULAR $\pm 1/2^\circ$ LINEAR $\left\{ \begin{array}{l} .X = \pm .1 \\ .XX = \pm .02 \\ .XXX = \pm .005 \end{array} \right.$		 TELEDYNE INSTRUMENTS <i>Analytical Instruments</i> A Teledyne Technologies Company City of Industry, California, 91748, USA			
SIGNATURES		DATE		TITLE	
DRFT: MGONZALEZ		05/24/10		SPEC. CONTROL DWG. OXYGEN SENSOR CLASS R-33S	
CHK:					
APPR:					
ENGR: MGONZALEZ					
C.O.:		MATL.		DWG NO.	
CAD I.D. B84227-0				REV	
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