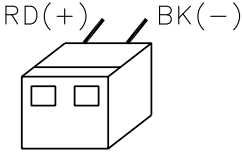


NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION

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



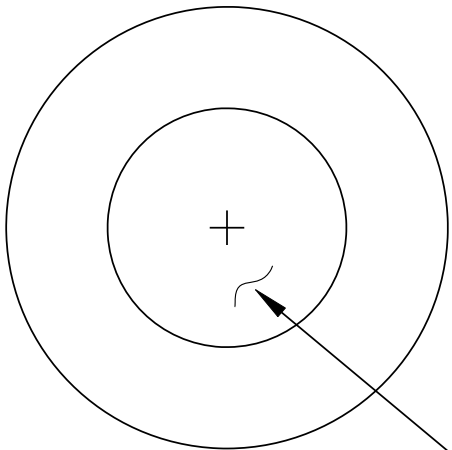
3. TEMPERATURE COMPENSATION ERROR IS  $\pm 5\%$  OF FULL SCALE OVER THE OPERATING TEMPERATURE RANGE. WORST CASE TRACKING ERROR (WITHIN THE FIRST HOUR AFTER A MAXIMUM TEMPERATURE STEP) IS  $\pm 5\%$  OF FULL SCALE. (GAS SAMPLES MUST BE BROUGHT TO AMBIENT TEMPERATURE) PERCENT READOUT IS ONLY WITHIN  $\pm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

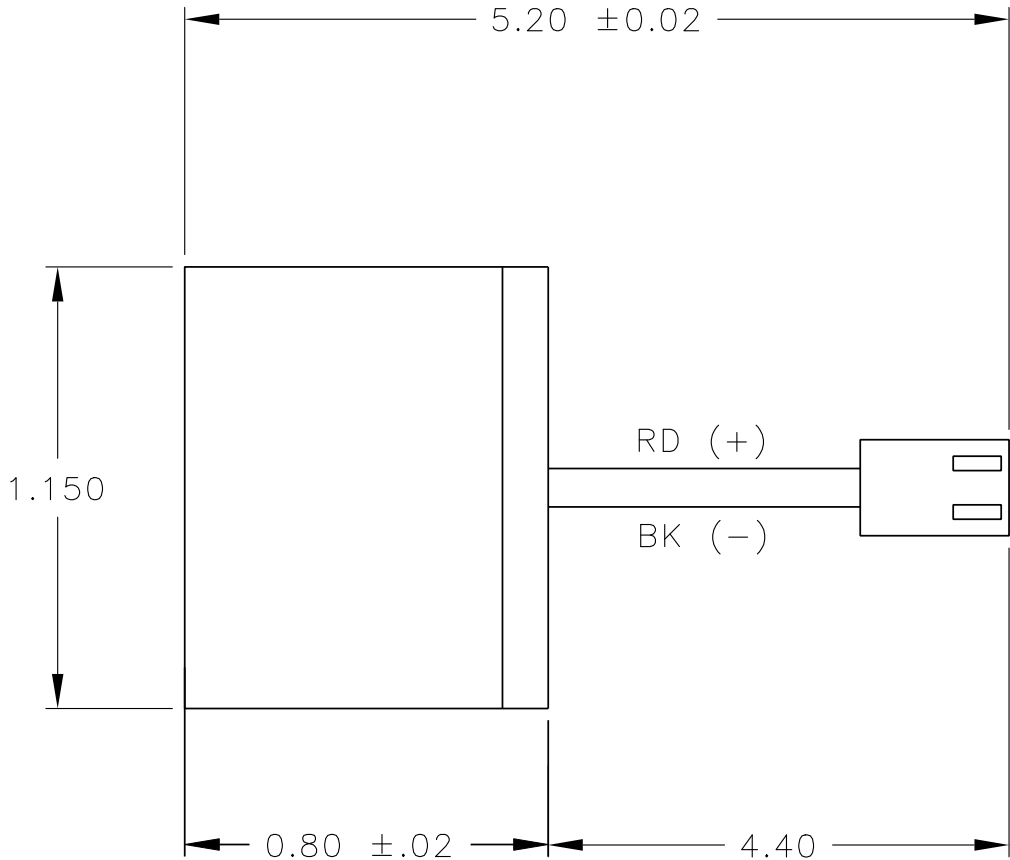
- 1) OUTPUT —  $(25 \pm 2 \text{ mV})$  IN AIR AT  $25^\circ\text{C}$ , SEA LEVEL.
- 2) RANGE — 0–1 ATM PO<sub>2</sub>
- 3) ACCURACY — WITHIN  $\pm 1\%$  OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (0–1 ATM) WHEN CALIBRATED WITH 100% OXYGEN.
- 4) RESPONSE TIME — LESS THAN 6 SECONDS FOR 90% OF FINAL VALUE.
- 5) OFFSET — LESS THAN 0.5% OF OXYGEN EQUIVALENT AT  $25^\circ\text{C}$  ( $77^\circ\text{F}$ ) IN ZERO GAS AFTER 36 SECONDS.
- 6) HUMIDITY — 0 TO 99% R.H. (NON-CONDENSING).
- 7) OPERATING TEMPERATURE RANGE — 0 TO  $40^\circ\text{C}$  (32 TO  $104^\circ\text{F}$ ).
- 8) STORAGE TEMPERATURE — 0 TO  $50^\circ\text{C}$  (32 TO  $122^\circ\text{F}$ ).
- 9) AVG. EXPECTED CELL LIFE — 36 MONTHS IN AIR AT  $25^\circ\text{C}$  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.


TELEDYNE INSTRUMENTS  
Analytical Instruments  
Document Control  
**COPY**

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
0	PROD REL. INC ECO 10-0110	05/24/10	MG	--



SENSING  
SURFACE



ITEM	QTY	PART No.	DESCRIPTION		
BILL OF MATERIAL					
DO NOT SCALE DRAWING		THIS DRAWING IS THE PROPERTY OF TELEDYNE INSTRUMENTS AND CONTAINS CONFIDENTIAL INFORMATION. IT IS NOT TO BE COPIED, REPRODUCED OR USED WITHOUT WRITTEN PERMISSION.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE: ANGULAR $\pm 1/2^\circ$ LINEAR $\left\{ \begin{array}{l} .X = \pm .1 \\ .XX = \pm .02 \\ .XXX = \pm .005 \end{array} \right.$		<div>TELEDYNE INSTRUMENTS <i>Analytical Instruments</i> A Teledyne Technologies Company City of Industry, California, 91748, USA</div>			
SIGNATURES		DATE		TITLE	
DRFT: MGONZALEZ		05/24/10		SPEC. CONTROL DWG. OXYGEN SENSOR CLASS R-33S	
CHK:					
APPR:					
ENGR: MGONZALEZ					
C.O.:					
CAD I.D. B84227-0		MATL.  -----		DWG NO.  <b>B- 84227</b>	
				REV  0	
				SCALE 2 : 1	
				SIM	
				SHEET 1 OF 1	