

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.

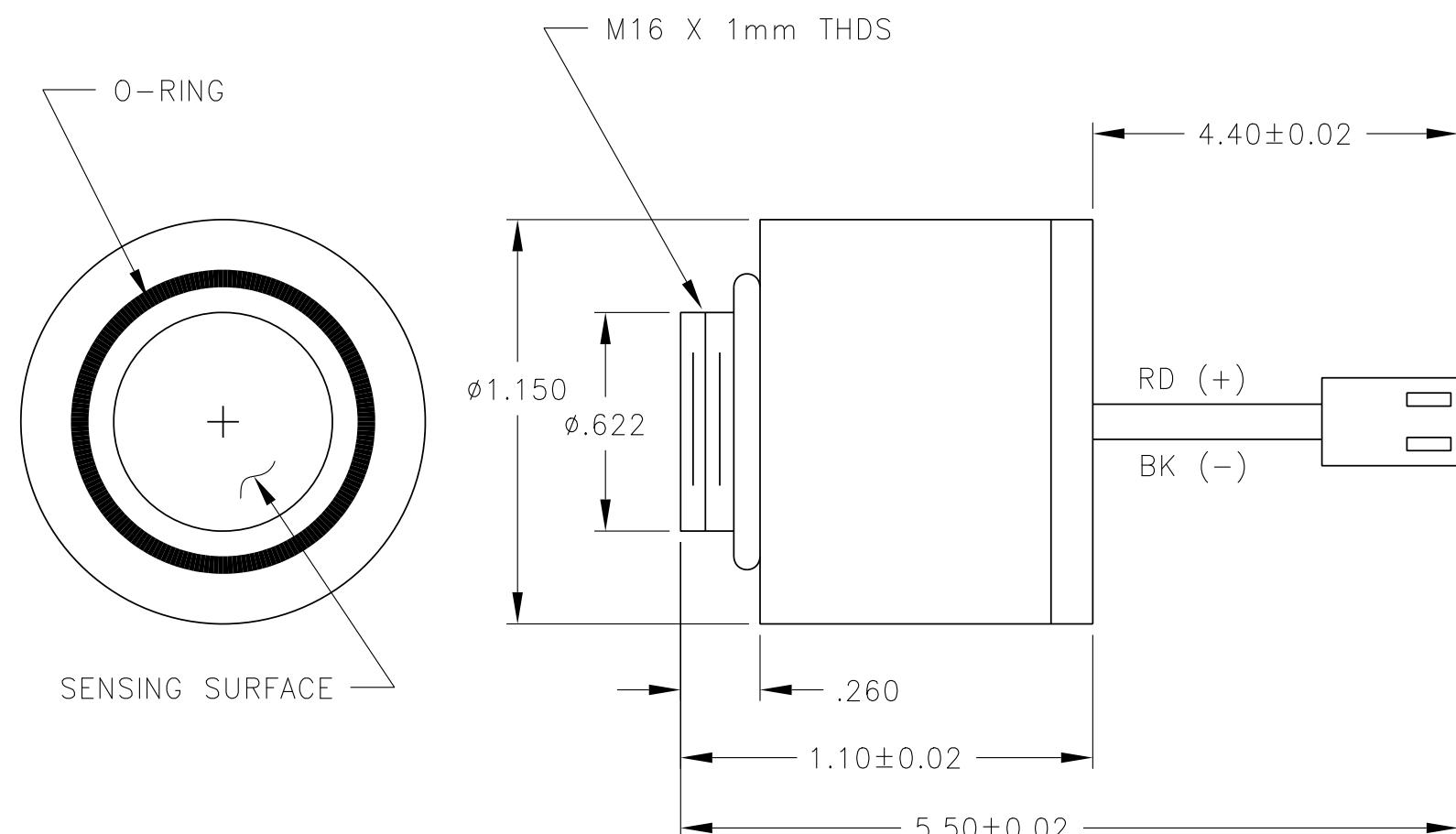
5. ASSEMBLY MANUFACTURED AND TESTED PER MPD-61679 AND C74069-R33S1.

SPECIFICATIONS:

- 1) OUTPUT –  $25 \pm 2 \text{mV}$  IN AIR AT  $25^\circ\text{C}$ , SEA LEVEL.
- 2) RANGE – 0-1 ATM P02
- 3) ACCURACY – WITHIN  $+\/-1\%$  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.

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



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 $\pm .02$ $\pm .005$			TELEDYNE INSTRUMENTS Analytical Instruments A Teledyne Technologies Company City of Industry, California, 91748, USA
S/	SIGNATURES	DATE	TITLE SPEC. CONTROL DWG. OXYGEN SENSOR CLASS R33S1
N/	DRFT: MGONZALEZ	05/24/10	SCALE NONE
I/	CHK:		SIM B-72149
P/	APPR:		SHEET 1 OF 1
O/	ENGR: MGONZALEZ		
F/	C.O.: STANDARD	MATL. NONE	DWG NO. B- 84228
REFERENCE	CAD I.D. B84228-0		REV 0