

NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION

2. CONNECTIONS POLARITY :

NEGATIVE(-)  POSITIVE(+)  
MATING PLUG- MOLEX P/N:  
22-01-3037 OR  
22-01-2037  
NOT FOR CUSTOMER CONNECTION

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  $\pm 7.5\%$  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 AND MPD-61679 & C72148-R22SHO.

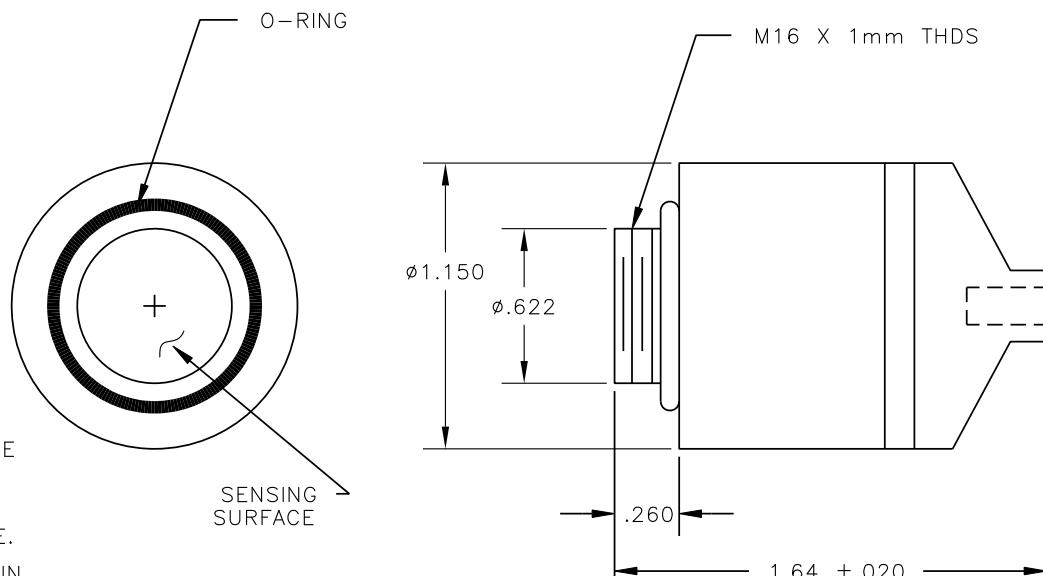
SPECIFICATIONS:

- 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  $\pm 1\%$  OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (0-1 ATM),
- 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 - 1.2 OZ (34 GRAMS).
- 11) LOAD - 3.2K 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.<br>BY |
| 0         | INIT REL PER ECO 10-0140 | 06/16/10 | MG   | VF         |



| ITEM  | QTY | PART No.  | DESCRIPTION                               |
|---|-----|---|---|
| BILL OF MATERIAL  |     |   |   |
| DO NOT SCALE DRAWING  |     |   |   |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCE:<br>X = $\pm .1$<br>ANGULAR $\pm 1/2^\circ$ LINEAR XX = $\pm .02$<br>XXX = $\pm .005$ |     |   |   |
| S/  |     | SIGNATURES  | DATE                                      |
| N/  |     | DRFT: MGONZALEZ                                     | 06-16-10                                  |
| I/  |     | CHK:  |   |
| P/  |     | APPR:   |   |
| O/  |     | ENGR: MGONZALEZ                                     |   |
| F/  |     | C.O.:   |   |
| REFERENCE   |     | CAD I.D. B84394-0                                   |   |
| TITLE   |     | SPEC. CONTROL DWG.<br>OXYGEN SENSOR<br>CLASS R22SHO | SCALE 2 : 1<br>SIM B72729<br>SHEET 1 OF 1 |
| MATL.   |     | DWG NO.<br>B- 84394                                 | REV 0                                     |