

NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL PER CUSTOMER SPECIFICATION
2. CONNECTIONS POLARITY :

NEGATIVE(-)

MATING PLUG MOLEX
P/N 22-01-3037 OR
P/N 22-01-2037

POSITIVE(+)

NOT FOR CUSTOMER CONNECTION
3. TEMPERATURE COMPENSATION ERROR IS ±5% OF FULL SCALE OVER THE OPERATING TEMPERATURE RANGE. WORST CASE TRACKING ERROR (WITHIN THE FIRST HOUR AFTER A MAXIMUM TEMPERATURE STEP) IS ±7.5% OF FULL SCALE. (GAS SAMPLES MUST BE BROUGHT TO AMBIENT TEMPERATURE) PERCENT READOUT IS ONLY WITHIN ±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-R22S-H2O.

SPECIFICATIONS:

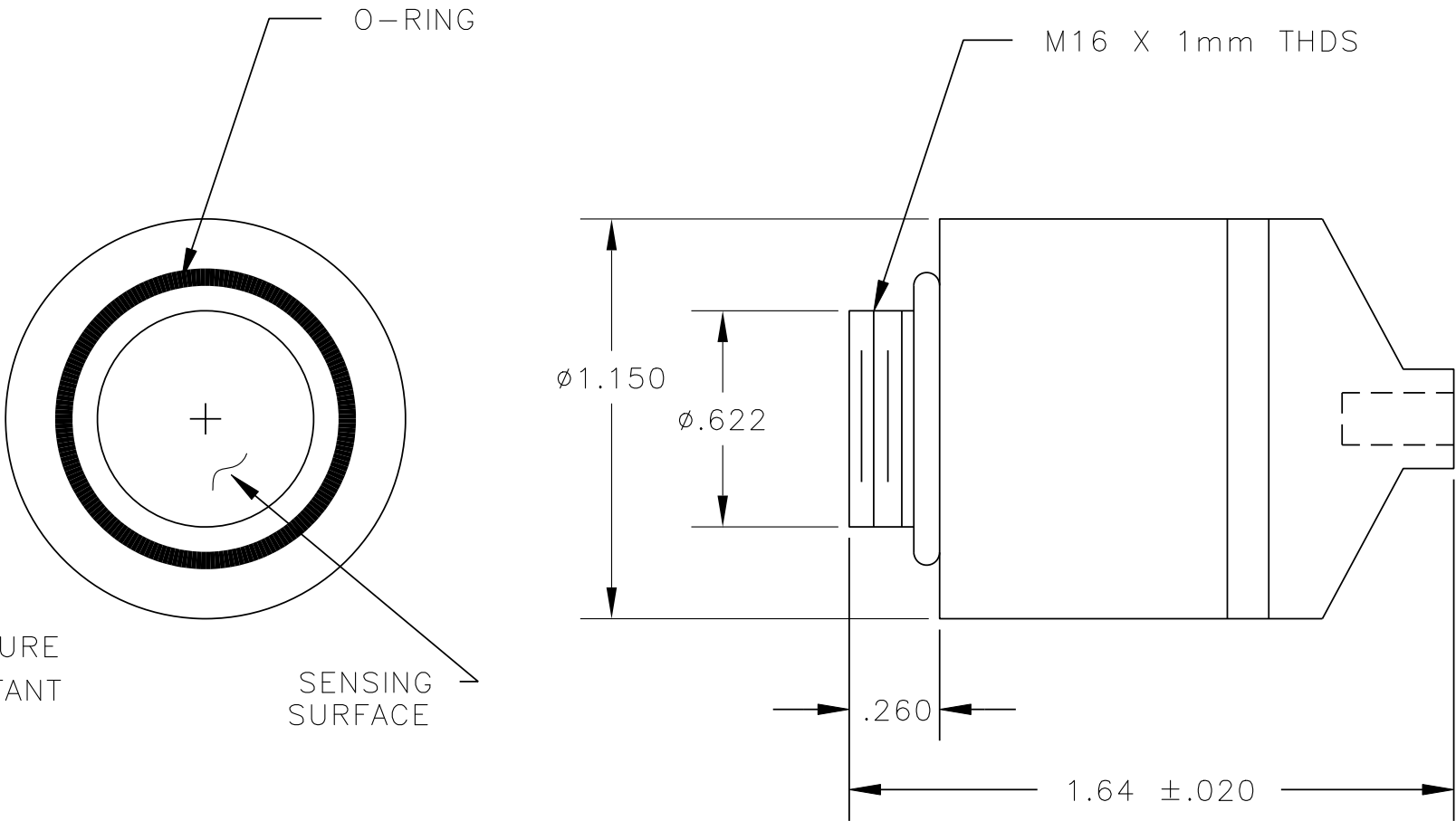
- 1) OUTPUT – (8–13MV) IN AIR AT 25 °C, SEA LEVEL.
- 2) RANGE – 0–100% OXYGEN (MAX), 0–1% OXYGEN (MIN)
- 3) ACCURACY – WITHIN +/–1% OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (0–1 ATM), ±2% FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (0–2 ATM PO2) WHEN CALIBRATED WITH 100% OXYGEN.
- 4) RESPONSE 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 – 1.2 OZ (32 GRAMS).
- 11) LOAD – 10K REQUIRED.
- 12) APPLICATION – FOR SURFACE/ABOVE-WATER DIVING-CYLINDER VERIFICATION APPLICATIONS; NOT INTENDED FOR UNDERWATER USE.


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| REV | DESCRIPTION | DATE | APP. | REV. BY |
| 0 | INIT REL PER ECO 12-0116 | 04/18/12 | MG | VF |



| ITEM | QTY | PART No. | DESCRIPTION | | |
|--|-----|----------|--|-----------------|--------------|
| BILL OF MATERIAL | | | | | |
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| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE: ANGULAR ±1/2° LINEAR { .X = ±.1 .XX = ±.02 .XXX = ±.005 | | |  TELEDYNE <i>Analytical Instruments</i> A Business Unit of Teledyne Instruments, Inc. City of Industry, California 91748, USA | | |
| SIGNATURES | | DATE | TITLE SPEC. CONTROL DWG. OXYGEN SENSOR CLASS R22S-H2O | | SCALE 2 : 1 |
| DRFT: MGONZALEZ | | 04/18/12 | | | SIM B-84318 |
| CHK: | | | | | SHEET 1 OF 1 |
| APPR: MGONZALEZ | | | | | |
| ENGR: MGONZALEZ | | | | | |
| C.O.: | | | MATL. | DWG NO. | REV |
| CAD I.D. B89276-0 | | | ----- | B- 89276 | 0 |