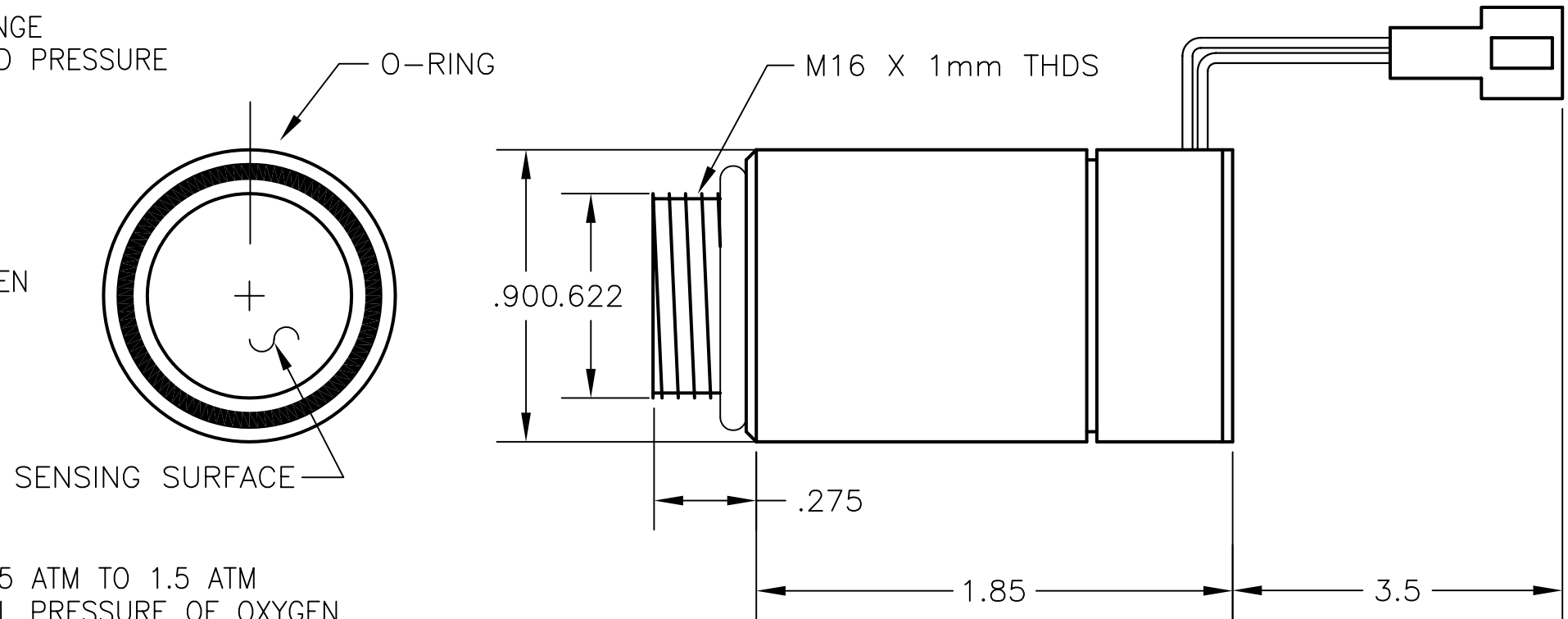


NOTES: UNLESS OTHERWISE SPECIFIED.

SPECIFICATIONS:

- 1) OUTPUT: 10 TO 15.5 mV IN AIR AT 23°C (±1°C), 60±5% RH, AND 1,000 mB
- 2) RANGE: 0-100% OXYGEN.
- 3) ACCURACY: ±2.0% FULL SCALE OVER OPERATING TEMPERATURE RANGE
±1.0% FULL SCALE @ CONSTANT TEMPERATURE AND PRESSURE
- 4) RESPONSE TIME: LESS THAN 15 SECONDS FOR 90% RESPONSE
LESS THAN 25 SECONDS FOR 97% RESPONSE
- 5) ZERO OFFSET VOLTAGE: LESS THAN 0.5 mV IN 100% N2 @ STP
- 6) CROSS INTERFERENCE: LESS THAN 0.1% O2 RESPONSE TO:
0-100% CO2, CO, H2, H2S, CH4, OR H2O ...BALANCE NITROGEN
0-1% NOX ...BALANCE NITROGEN
- 7) HUMIDITY: 0 TO 99% R.H. (NON-CONDENSING).
- 8) OPERATING TEMPERATURE RANGE: 5 TO 40 °C (31 TO 104 °F)
- 9) STORAGE TEMPERATURE: -15 TO 50 °C (5 TO 122 °F)
- 10) AVG. EXPECTED CELL LIFE: 900,000 OXYGEN % HOURS
- 11) PRESSURE EFFECT: CONTINUOUS USE IN PRESSURE RANGE FROM 0.5 ATM TO 1.5 ATM
SENSOR OUTPUT TO BE LINEAR WITH PARTIAL PRESSURE OF OXYGEN
WITHIN ±2% OF FULL SCALE.
- 12) REQUIRED SAMPLE FLOW: 300CC TO 3L/MINUTE TYPICAL
- 13) STABILITY: LESS THAN 1% DRIFT OVER 8 HOURS AT CONSTANT TEMPERATURE AND PRESSURE.
- 14) WEIGHT: 1.2 OZ (32 GRAMS)
- 15) LOAD: MINIMUM 1 M OHMS

| REVISIONS | | | | |
|-----------|-------------------------|---------|------|---------|
| REV | DESCRIPTION | DATE | APP. | REV. BY |
| 0 | INITIAL REL ECO 00-0016 | 1-18-00 | MG | -- |
| 1 | INC ECO 01-0079 | 7/20/01 | MG | VF |



| ITEM | QTY | PART No. | DESCRIPTION |
|--|-------------------|---|--------------|
| BILL OF MATERIAL | | | |
| DO NOT SCALE DWG | | THIS DRAWING IS THE PROPERTY OF TELEDYNE ANALYTICAL INSTRUMENTS AND CONTAINS CONFIDENTIAL INFORMATION. IT IS NOT TO BE COPIED, REPRODUCED OR USED WITHOUT WRITTEN PERMISSION. | |
| TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR ±1/2° | | Teledyne Analytical Instruments A business unit of Teledyne Electronic Technologies CITY OF INDUSTRY, CALIFORNIA 91748 | |
| LINEAR { .X = ±.1 .XX = ±.02 .XXX = ±.005 | | | |
| | | | |
| S/ | SIGNATURES | | DATE |
| N/ | DRFT: D. COMSA | | 1-18-00 |
| I/ | CHK: | | |
| P/ | APPR: | | |
| O/ | ENGR: M. GONZALEZ | | |
| F/c-70592-R29IMED | S.O.: | | |
| REFERENCE | CAD I.D. B71476-1 | | |
| TITLE | | | SCALE NONE |
| SPEC. CONTROL DWG. OXYGEN SENSOR CLASS R29IMED | | | SIM |
| | | | SHEET 1 OF 1 |
| MATL. | | DWG NO. | REV |
| ----- | | B-71476 | 1 |