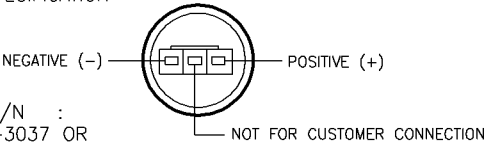


NOTES: UNLESS OTHERWISE SPECIFIED.

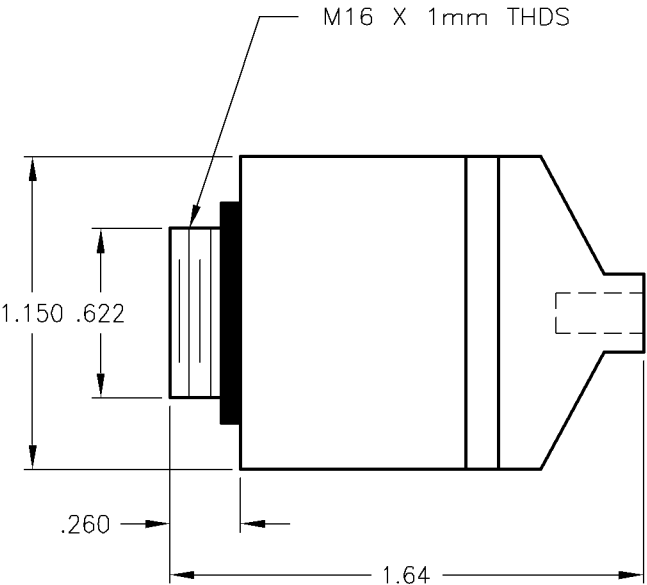
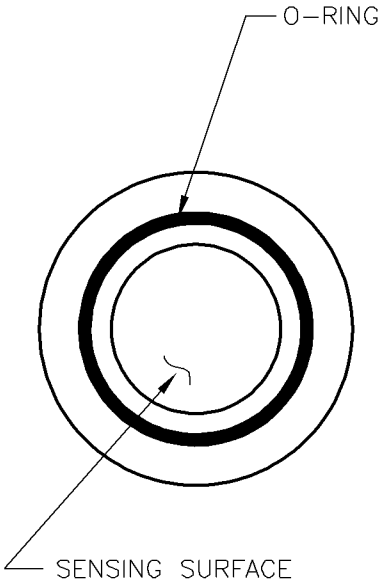
- 1. LABEL PER CUSTOMER SPECIFICATION
- 2. CONNECTIONS POLARITY :



- 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  $\pm 10\%$  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 FULL SCALE).
- 4. ASSEMBLY TO BE PACKAGED IN A GAS BARRIER BAG.
- 5. ASSEMBLY MANUFACTURED AND TESTED TO MPD61679.

SPECIFICATIONS:

- 1. OUTPUT - (10.5-13.5 MV) IN AIR 25°C AT SEA LEVEL.
- 2. RANGE - 0-100% OXYGEN (MAX), 0-1% OXYGEN (MIN).
- 3. RESPONSE TIME - LESS THAN 6 SEC. FOR 90% OF FINAL VALUE.
- 4. OPERATING TEMPERATURE RANGE - 0° TO 40°C (32° TO 104°F)
- 5. AVG EXPECTED CELL LIFE - 36 MONTHS IN AIR AT 25°C, 50% R.H.
- 6. STORAGE TEMPERATURE - 0° TO 50°C (32° TO 122°F)
- 7. HUMIDITY - 0 TO 99% RH (NON-CONDENSING).
- 8. ACCURACY - WITHIN  $\pm 1\%$  OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (SEE NOTE 3)
- 9. WEIGHT - 1.2 OZ (32 GM)
- 10. OFFSET -  $\leq 0.1\%$  O<sub>2</sub> IN  $\leq 30$  SECONDS FOR A STEP CHANGE FROM AIR TO 0% O<sub>2</sub>.
- 11. REQUIRED LOAD 10K



REVISIONS

REV	DESCRIPTION	DATE	APP.	REV. BY
0	INIT REL ECO 00-0514	12/7/00	JML	--

DO NOT SCALE DWG

TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR ±1/2°

.X

= ±.1

.XX

= ±.02

.XXX

= ±.010

Teledyne Analytical Instruments

A business unit of Teledyne Electronic Technologies

CITY OF INDUSTRY, CALIFORNIA 91748

SIGNATURES

DATE

N/

DRFT: VFig

12/5/00

I/

CHK:

P/

APPR:

O/

ENGR: JAY LAUER

F/

S.O.:

REFERENCE

CAD I.D. B73203-0

TITLE

SPEC CONTROL DWG

OXYGEN SENSOR

CLASS R-22AH

MATL.

NOTED

DWG NO.

B-73203

REV

0

SCALE NONE

SIM NONE

SHEET 1 OF 1