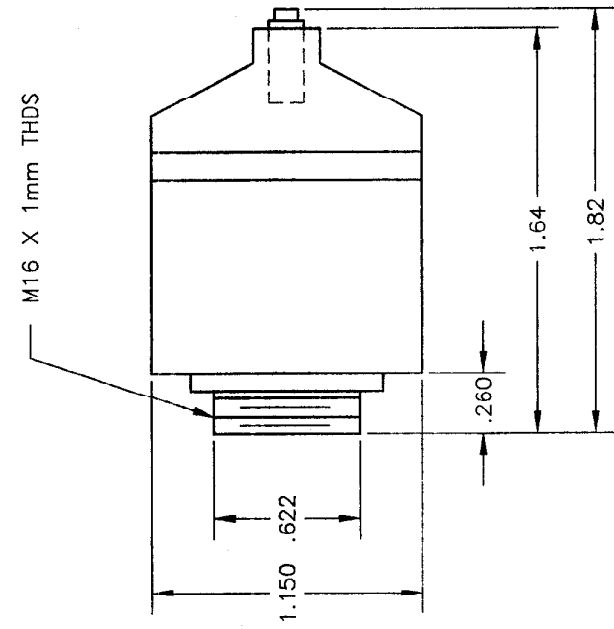


REVISIONS			
REV.	DESCRIPTION	DATE	APP. BY
0	INITIAL RELEASE, 03-0002	1-21-03	MLB



**NOTES: UNLESS OTHERWISE SPECIFIED.**

1. LABEL PER CUSTOMER SPECIFICATION
2. ELECTRICAL CONNECTOR: SWITCHCRAFT TYPE 712A OR CUI STACK PJ-005B POWER JACK (TIP CENTER = POSITIVE (+); OUTER SLEEVE NEGATIVE(-)); TYPICAL MATING PLUG (FEMALE) CUI STACK PP-002B.
3. TEMPERATURE COMPENSATION ERROR IS LESS THAN ±3% OF FULL SCALE OVER 15 TO 40 DEG C AND LESS THAN ±5% OF FULL SCALE OVER THE OPERATING TEMPERATURE RANGE. WORST CASE TRACKING ERROR (WITHIN THE FIRST HOUR AFTER A MAXIMUM TEMPERATURE STEP) IS ± 10% 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 TO MPC-75423.

**SPECIFICATIONS:**

- 1) OUTPUT: (12 ± 3 mV) IN AIR AT 25°C, SEA LEVEL, 50% R.H.
- 2) RANGE: 0 TO 100% OXYGEN.
- 3) LINEARITY / ACCURACY: WITHIN +/-1% OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE.
- 4) RESPONSE TIME: LESS THAN < 5 SECONDS FOR 90% OF FINAL VALUE.
- 5) ZERO OFFSET: LESS THAN 0.20 mV WHEN EXPOSED TO 100% NITROGEN APPLIED FOR 1 MINUTE AT 25°C (77°F)
- 6) STABILITY: LESS THAN 1% OF FULL SCALE OVER AN 8 HOUR PERIOD AT CONSTANT TEMPERATURE, PRESSURE AND HUMIDITY.
- 7) WARM-UP TIME: LESS THAN 30 MINUTES AFTER REPLACEMENT OF SENSOR.
- 8) CROSS INTERFERENCE: LESS THAN 1.25% O2 RESPONSE TO: 6% HALOTHANE, 6% ISOFURANE, 6% ENFLURANE 7% SEVOFLURANE, 20% DESFLURANE, IN 30% O2/70% N2O MIXTURE.
- 9) HUMIDITY: 0 TO 99% R.H. (NON-CONDENSING).
- 10) OPERATING TEMPERATURE RANGE: 0 TO 40°C (32 TO 104°F)
- 11) STORAGE TEMPERATURE: 0 TO 50°C (32 TO 122°F)
- 12) AV3. EXPECTED CELL LIFE: GREATER THAN 500,000% OXYGEN HOURS UNDER NORMAL CONDITIONS (EQUIVALENT TO 34 MONTHS IN AIR AT 25°C AND 50% R.H.)
- 13) FRONT THREAD: M16 X 1MM
- 14) WEIGHT: 1.1 OZ (31 GRAMS)
- 15) LOAD: 10K REQUIRED

ITEM	QTY	PART No.	DESCRIPTION
BILL OF MATERIAL			
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Teledyne Analytical Instruments A business unit of Teledyne Electronic Technologies CITY OF INDUSTRY, CALIFORNIA 91748			
DO NOT SCALE DWG		DATE	TITLE
TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR ±1/2°		1/08/03	SPEC. CONTROL DWG.
LINEAR { .X = ±.1 .XX = ±.02 .XXX = ±.010			OXYGEN SENSOR
SIGNATURES			CLASS R34MED
DRAFT: EMEKA IKPA	DATE		DWG NO. B-75359
CHK:			REV 0
APPR:			
ENGR:			
S.O.:			
REFERENCE			

**PRELIMINARY PRINT**

**DATE 1-21-03 INIT. MLB**