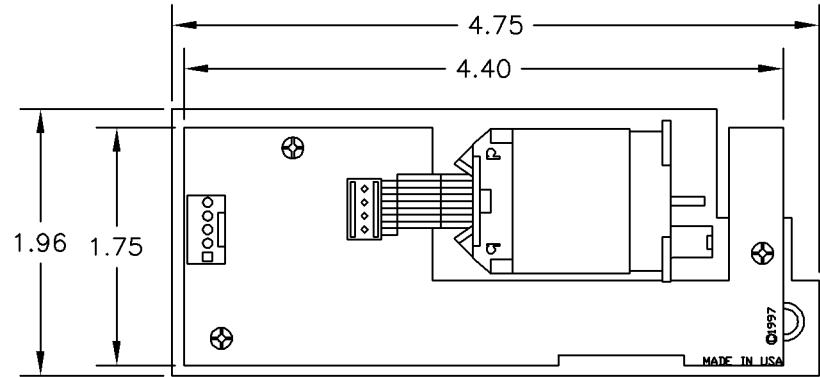
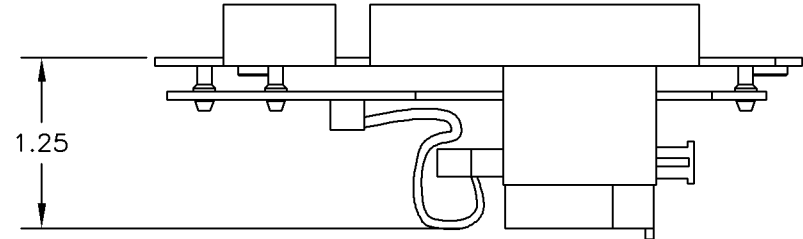


NOTES: UNLESS OTHERWISE SPECIFIED.
SPECIFICATIONS:

- 1) OUTPUT: 3.4 – $\pm 0.4V$ AT 100% OXYGEN, 1 ATM
- 2) RANGE: 1 – 100% OXYGEN
- 3) ACCURACY: LESS THAN $\pm 1.0\%$ OXYGEN AT CONSTANT TEMPERATURE AND PRESSURE, WHEN CALIBRATION IN AIR AND 100% OXYGEN.
- 4) RESOLUTION: 0.1 OXYGEN
- 5) RESPONSE TIME: 10 – 90% OS STEP CHANGE IN < 130 MS (@ 200 ± 100 CC/MIN GAS FLOW RATE). RESPONSE TIME WILL DEGRADE AT SLOWER FLOW RATE.
- 6) CROSS INTERFERENCE: REFERENCED TO ISO7767 (MAY 1997) ASTM-F1462/93
- 7) OPERATING HUMIDITY: 0 – 99% RH (NON-CONDENSING)
- 8) OPERATING AMBIENT PRESSURE: 550 – 800 mmHg
- 9) OPERATING RELATIVE PRESSURE:
CONTINUOUS: -100 TO +100 mmHg TO AMBIENT PRESSURE
INTERMITTENT: UP TO -200 mmHg FOR LESS THAN 5 SECOND
- 10) OPERATING TEMPERATURE:
CONTINUOUS: 15 – 40°C
INTERMITTENT: UP TO 50°C FOR LESS THAN 2 HOUR PER DAY.
- 11) POWER SUPPLY:
+11.8 VDC TO +16.0 VDC
-11.8 VDC TO -16.0 VDC
- 12) POWER CONSUMPTION: LESS THAN 200 mW
- 13) WEIGHT: SENSOR < 1.0 OZ; ELECTRONICS < 1.5 OZ
- 14) SIZE: 1.96" (W) X 4.75" (L) (SENSOR BOARD)
- 15) SENSOR LIFE EXPECTANCY: 6 MONTHS IN AIR (90,000% HR) @ 25°C, 50% RH
- 16) SENSOR SHELF LIFE: 12 MONTHS @ 25°C
- 17) SENSOR STORAGE TEMPERATURE:
CONTINUOUS: 0–40°C
INTERMITTENT: UP TO 50°C FOR LESS THAN 1 HOUR PER DAY
- 18) GAS INLET CONNECTION: 1/16" OD TUBE
- 19) GAS OUTLET CONNECTION: LUER CONNECTOR
- 20) STANDARD: MEET ISO7767 (MAY 1997) ASTM F1462/93

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
4	INC. ECO 00-0176	5-11-00	RF	DC
5	INC. ECO 00-0356	10/6/00	JML	DC



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 $\pm 1/2^\circ$ LINEAR $\begin{cases} .X & = \pm .1 \\ .XX & = \pm .02 \\ .XXX & = \pm .010 \end{cases}$			 Teledyne Analytical Instruments A business unit Teledyne Electronic Technologies CITY OF INDUSTRY, CALIFORNIA 91748		
SIGNATURES		DATE	TITLE SPEC. CONTROL DWG. OXYGEN SENSOR UFO-130		SCALE ---
DRFT: WING T CHOW		11-14-97			SIM ---
CHK:					SHEET 1 OF 1
APPR:					
ENGR: DR. CD FENG					
S.O.:			MATL.	DWG NO.	REV
CAD I.D. B69011-5				B-69011	5