

NOTES: UNLESS OTHERWISE SPECIFIED.
SPECIFICATIONS:

- 1) OUTPUT: 0 – 1 Volt AT 1 ATM
- 2) RANGE: 1 – 100% OXYGEN
- 3) ACCURACY: LESS THAN ±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 < 150 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:
+ / – 5 VDC

- 12) POWER CONSUMPTION: LESS THAN 200 mW

- 13) WEIGHT: SENSOR < 3.0 OZ; ELECTRONICS < 1.0 OZ

- 14) SIZE: 2.0” (W) X 2.3” (L) (PCB BOARD) Ø1.16” x 2.5 ”L (SENSOR)

- 15) SENSOR LIFE EXPECTANCY: 24 MONTHS IN AIR (360,000 %O2 HOURS)
@ 25°C, 50% RH

- 16) SENSOR SHELF LIFE: 24 MONTHS @ 25°C

- 17) SENSOR STORAGE TEMPERATURE:

CONTINUOUS: 0–40°C
INTERMITTENT: UP TO 50°C FOR LESS THAN 1 HOUR PER DAY

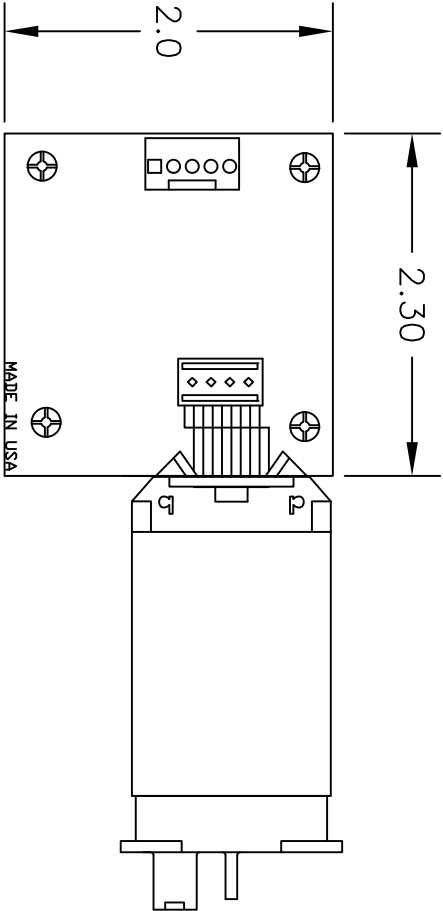
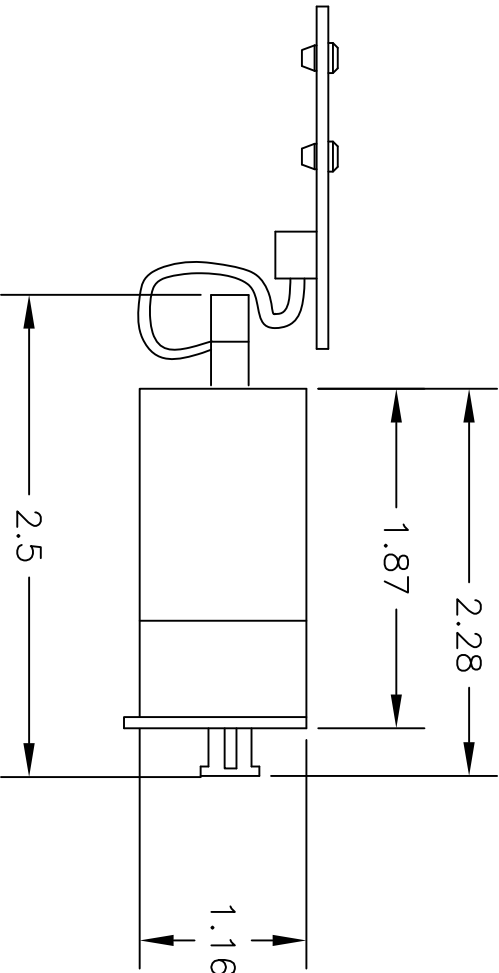
- 18) GAS INLET CONNECTION: 1/16” OD TUBE

- 19) GAS OUTLET CONNECTION: LUER CONNECTOR

- 20) STANDARD: MEET ISO7767 (MAY 1997) ASTM F1462/93

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REVISIONS				
REV	DESCRIPTION	DATE	APP. BY	REV.
0	INITIAL REL. ECO 01–0317	11/1/01	MN	--
1	INC ECO 13–0124	7/3/14	MG	VF
2	INC ECO 16–0045	7/12/16	AA	VF



TELEDYNE
ANALYTICAL INSTRUMENTS

05/14/25

DOCUMENT CONTROL
COPY

R) JRS)	ITEM		QTY	PART No.	DESCRIPTION		
					BILL OF MATERIAL		
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S/	SIGNATURES		DATE		TITLE		
N/	DRFT: MANN NGUYEN		7-20-01		SPEC. CONTROL DWG. OXYGEN SENSOR UFO-130-2B		
I/	CHK:						
P/	APPR:						
O/	ENGR: MANN NGUYEN						
F/	C.O.:						
REFERENCE	CAD I.D. B74268-2				MATL.	DWG NO.	REV
						B-74268	2

DWG NO. **B-74268** REV **2**