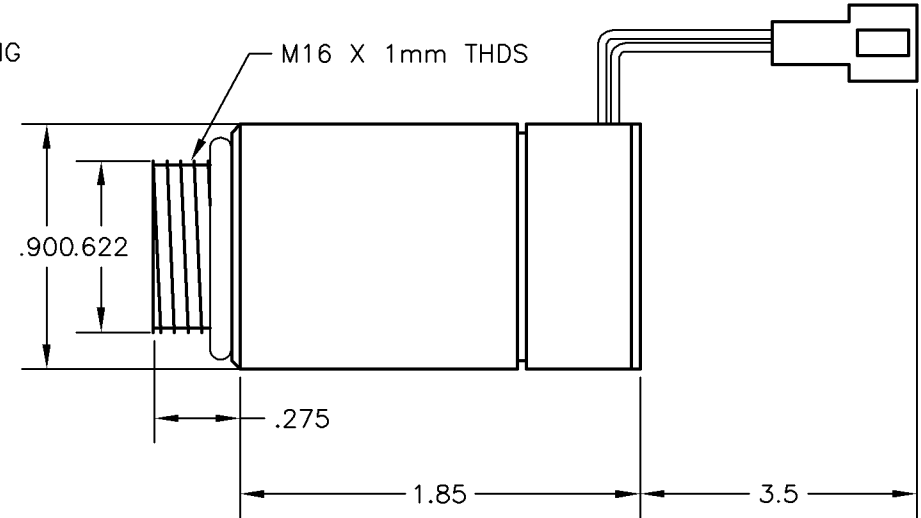
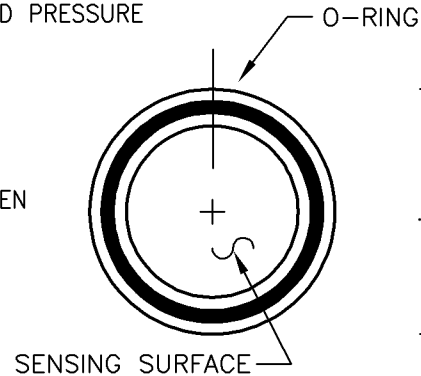


NOTES: UNLESS OTHERWISE SPECIFIED.


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 $\pm 1/2^\circ$ LINEAR $\begin{cases} .X &= \pm .1 \\ .XX &= \pm .02 \\ .XXX &= \pm .005 \end{cases}$			 Teledyne Analytical Instruments A business unit of Teledyne Electronic Technologies CITY OF INDUSTRY, CALIFORNIA 91748		
SIGNATURES		DATE	TITLE SPEC. CONTROL DWG. OXYGEN SENSOR CLASS R29IMED		SCALE NONE
DRFT: D. COMSA		1-18-00			SIM
CHK:					
APPR:					SHEET 1 OF 1
ENGR: M. GONZALEZ					
S.O.:		MATL.	DWG NO.	REV	
CAD I.D. B71476-1		-----	B-71476	1	