NOTES: UNLESS OTHERWISE SPECIFIED.
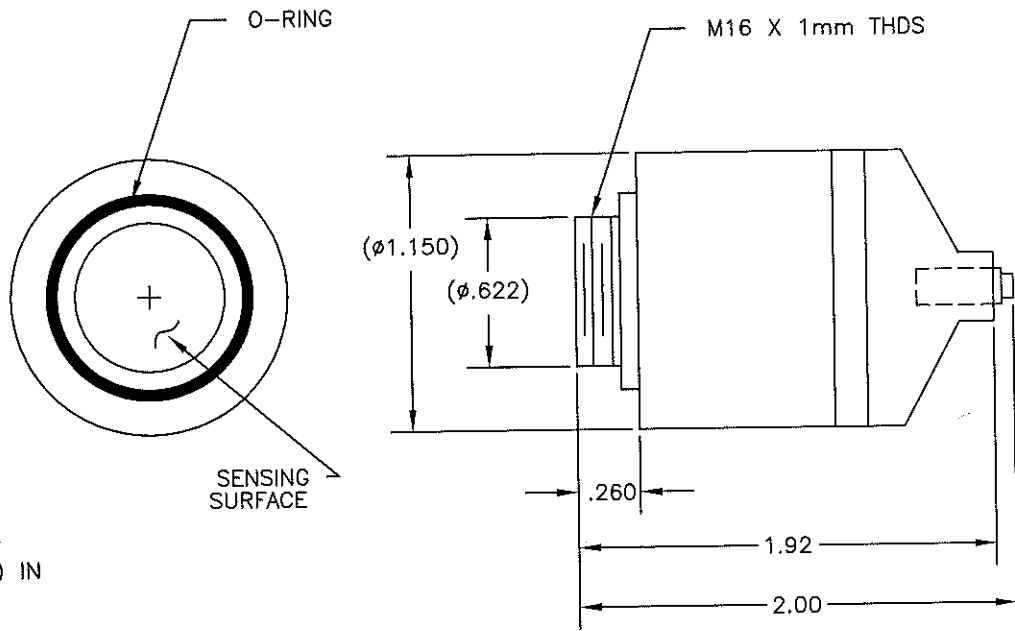
1. LABEL PER CUSTOMER SPECIFICATION
2. CONNECTORS POLARITY :
   TIP (CENTER)– NEGATIVE (–)
   SLEEVE – POSITIVE (+)
   TYPICAL MATING PLUG SWITCHCRAFT .141" MINIATURE PHONE PLUGS
   P/N: 740 (SCREW TERMINAL) OR P/N: 750 (CLAMP–LUG TERMINAL).
3. TEMPERATURE COMPENSATION ERROR IS ±5% OF FULL SCALE OVER THE OPERATING TEMPERATURE RANGE. WORST CASE TRACKING ERROR (WITHIN THE FIRST HOUR AFTER A MAXIMUM TEMPERATURE STEP) IS ±7.5% 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 MPD–61679 & C43690–R17S1.

SPECIFICATIONS:

1) OUTPUT – (25 +/–2 mV) IN AIR AT 25 °C, SEA LEVEL
2) RANGE – 0–100% OXYGEN
3) ACCURACY – WITHIN +/–1% OF FULL SCALE AT CONSTANT TEMPERATURE AND PRESSURE (0–1 ATM) WHEN CALIBRATED WITH 100% OXYGEN.
4) RESPONSE TIME – LESS THAN 6 SECONDS FOR 90% OF FINAL VALUE.
5) OFFSET – LESS THAN 0.5% OF OXYGEN EQUIVALENT AT 25 °C (77 °F) IN ZERO GAS AFTER 36 SECONDS.
6) HUMIDITY – 0 TO 99% R.H. (NON–CONDENSING).
7) OPERATING TEMPERATURE RANGE – 0 TO 40 °C (32 TO 104 °F)
8) STORAGE TEMPERATURE – 0 TO 50 °C (32 TO 122 °F)
9) AVG. EXPECTED CELL LIFE – 36 MONTHS IN AIR AT 25 °C AND 50% R.H.
10) WEIGHT – 1.1 OZ (31 GRAMS)
11) LOAD – 10K REQUIRED
12) APPLICATION – FOR SURFACE/ABOVE–WATER DIVING–CYLINDER VERIFICATION APPLICATIONS; NOT INTENDED FOR UNDERWATER USE.

O–RING
SENSING SURFACE
M16 X 1mm THDS
(∅1.150)
(∅.622)
.260
1.92
2.00

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
0	INIT REL ECO 10–0144	9/22/10	MG	VF

ITEM	QTY	PART No.	DESCRIPTION
			BILL OF MATERIAL

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCE:
ANGULAR ±1/2° LINEAR
.X = ±.1
.XX = ±.02
.XXX = ±.010

TELEDYNE INSTRUMENTS
Analytical Instruments
A Teledyne Technologies Company
City of Industry, California, 91748, USA

S/	SIGNATURES	DATE
N/	DRFT: MGONZALEZ	05/27/10
I/	CHK:	
P/	APPR:	
O/	ENGR: M. GONZALEZ	
F/	C.O.:	
REFERENCE	CAD I.D. B84297–0	

TITLE
SPEC. CONTROL DWG.
OXYGEN SENSOR
CLASS R17S1

SCALE NTS
SIM
SHEET 1 OF 1

MATL. —————

DWG NO. B-84297

REV 0