

REV	ECO'S AFFECTING THIS DRAWING	DATE	APPROVED
A	INITIAL RELEASE	11-8-94	GP
D	DCO 4462	04/01/13	L.L.
E	UPDATED SPECS		

1. Output:

12.2 to 18.1 mV in 20.95% oxygen within a temperature range of 23 +/- 4 deg C and at 1013 millibar pressure

2. Operating Temperature:

5 to 40 deg C

3. Storage Temperature:

0 to 45 deg C

4. Optimal Storage Temperature:

5 to 25 deg C

5. Range of Measurement (Full Scale):

0 to 100% oxygen

6. Zero Offset:

Less than .5mV when exposed to 99 to 100 percent nitrogen

7. 90% Response Time:

Less than or equal to 15 seconds

8. Linearity:

Within +/-1.0% of full scale

9. Stability:

Less than 1% of full scale over an 8 hour period

10. Interference:

Less than 1% of full scale in presence of nitrous oxide, carbon dioxide and helium

11. Temperature Sensitivity:

+2.9 +/-0.2%/°C

12. Pressure Sensitivity:

Sensor output to be linear with partial pressure of oxygen within +/- 2% of full scale.

13. Life

2,000,000% oxygen hours

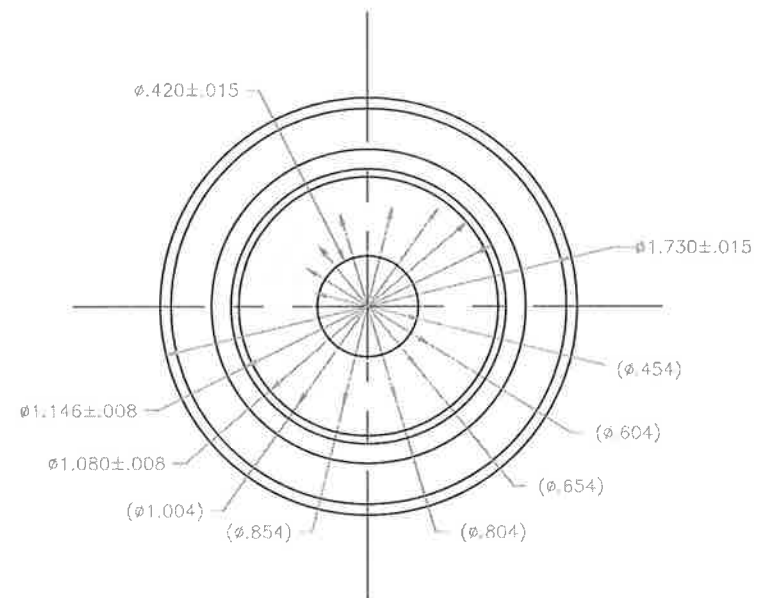
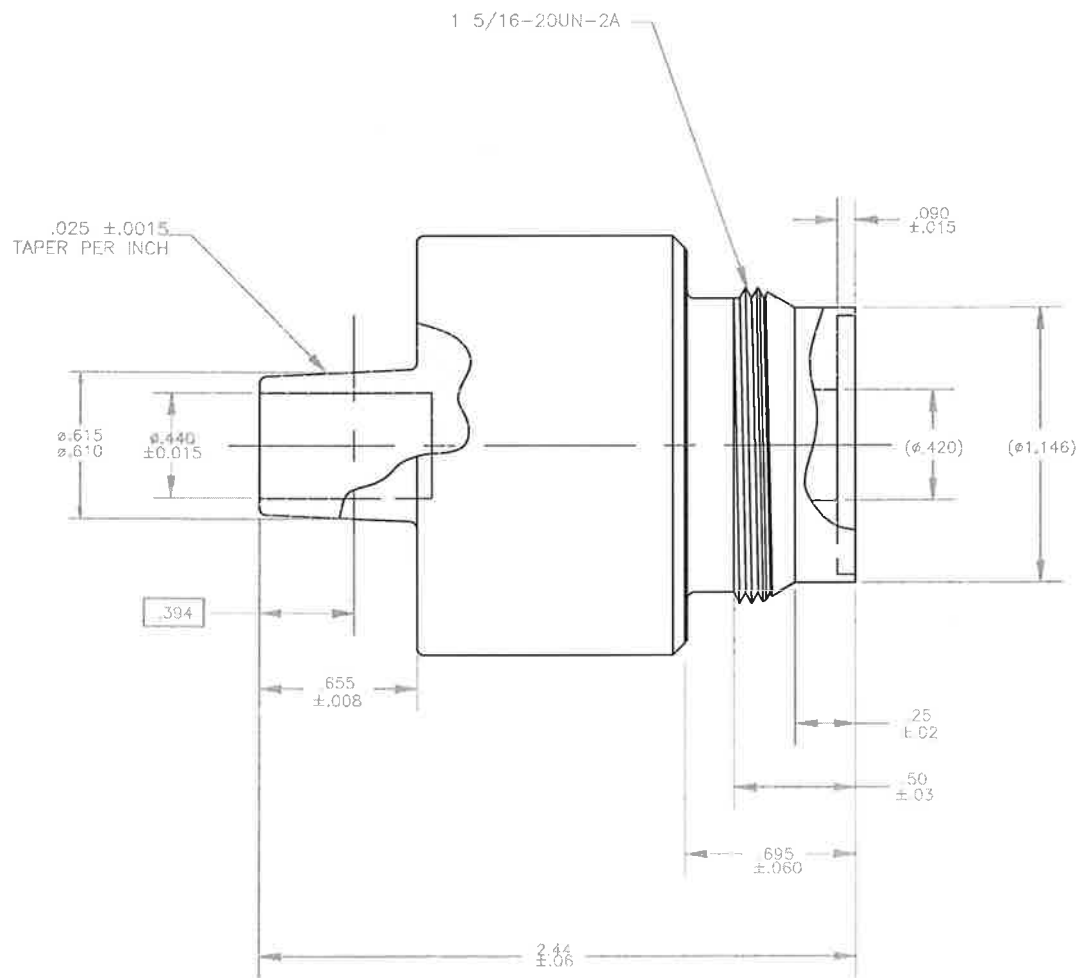
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
AND PER ANSI Y14.5-1982

.XX ±.01	.XXX ±.005	ANGLES ±1'30"
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QA G. ROTH	03/27/13	PREP G. PEKAR	7/26/93
MFG C. MEADS	03/12/13	CHKR G. POELAKKER	11/16/05
		ENG T. MARSHALL	2/12/13

maxtec® SALT LAKE CITY, UTAH 84107			
SPECIFICATIONS, MAX-8 OXYGEN SENSOR			
SIZE B	FSCM NO. 1S815	NUMBER R107P70	REV E
SCALE NONE		SHEET 1 OF 2	

PROPRIETARY INFORMATION
MAXTEC



SIZE	PSCM NO.	NUMBER	REV
B	1S815	R107P70	E
SCALE	NONE	SHEET 2 OF 2	

PROPRIETARY INFORMATION
MARKED

R107P70 E