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REV	DCO'S AFFECTING THIS DRAWING	DATE	APPROVED
A	INITIAL RELEASE	5/26/94	G.P.
E	DCO # 1546 CHANGED CAG TO MAX	6/7/94	[Signature]

9. Stability:

Less than 1% of full scale over an 8 hour period at constant temperature, pressure, and humidity.

10. Interference:

- Less than 2% of full scale in presence of 75% Nitrous oxide
- Less than 2% of full scale in presence of 5% Halothane
- Less than 2% of full scale in presence of 5% Isoflurane
- Less than 2% of full scale in presence of 5% Enflurane
- Less than 2% of full scale in presence of 6% Sevoflurane
- Less than 2% of full scale in presence of 15% Desflurane
- Less than 2% of full scale in presence of 10% Carbon Dioxide
- Less than 2% of full scale in presence of 70% Helium

11. Temperature Effects:

Activation energy (Ea) of 6000±1500 cal/mol-K where

$$\frac{\text{Output}_{T2}}{\text{Output}_{T1}} = \exp \left[\frac{E_a}{1.987 \text{ cal/mol-K}} \left(\frac{1}{T_2} - \frac{1}{T_1} \right) \right]$$

12. Expected Life

> 1,000,000% oxygen hours under normal operating conditions

13. Humidity

5% to 95% Relative Humidity non-condensing

1. Output:

Less than or equal to 18.4 mV in air within a temperature range of 23±2 °C at 1013 millibars and greater than or equal to 10.0mV in air within a temperature range of 23° ±2°C at 848 millibars across a 309 ohm resistor

2. Operating Temperature:

5° to 40 °C

3. Maximum Storage Temperature:

-15° to 50 °C

4. Optimal Storage Temperature:

5° to 25 °C

5. Range of Measurement (Full Scale):

0 to 100% oxygen.

6. Zero Offset:

Less than or equal to 0.30 mV when exposed to 99.9 to 100% nitrogen across a 309 ohm resistor

7. 90% Response Time:

Less than or equal to 15 seconds at 23±2 °C

8. Linearity:

Within +/- 2.0% of full scale

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MAR 16 2000
EFFECTIVE DATE
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maxtec™
 SALT LAKE CITY, UTAH 84119

SPECIFICATIONS.

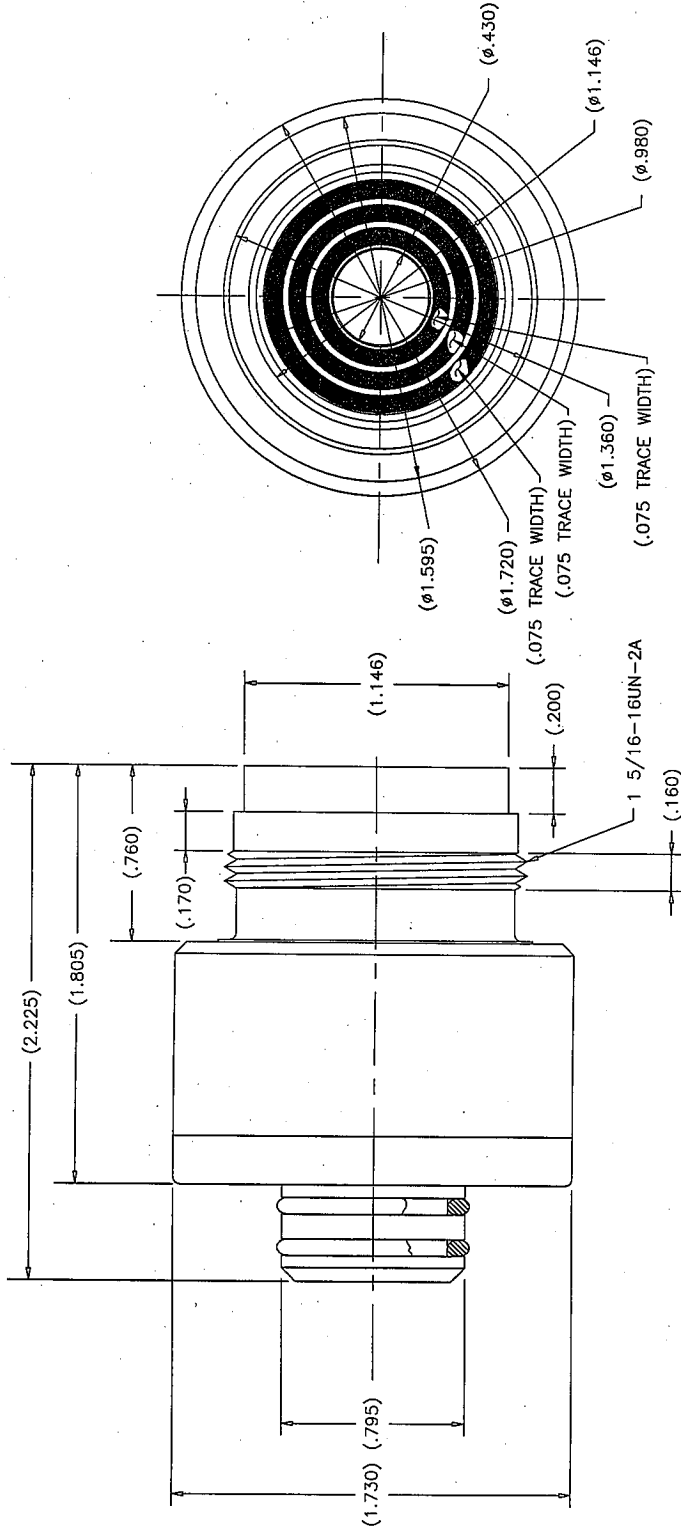
MAX-2 OXYGEN SENSOR

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND PER ANSI Y14.5-1992	ANGLES ±130°
XX = ±.01	XXX = ±.005
XXX = ±.002	
DRG	CHKR
2/23/00	2/23/00
GORDON ROTH	C. POELAKKER
MFG	ENG
EVA MEADS	D. GOETZ
SIZE B	SCALE NONE
FSCN NO 15815	NUMBER R107P80
REV E	REV E

SHEET 1 OF 2
 PROPRIETARY INFORMATION
 MAXTEC INC.

1 2 3 4

A R107P80 F



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SIZE	FSCM NO.	NUMBER	REV
B	15815	R107P80	E
SCALE	NONE	SHEET 2 OF 2	PROPERTY INFORMATION MATEC INC.