

ALL PRODUCT SPECIFICATIONS ARE APPLICABLE AT STANDARD CONDITIONS:
1013 MILLIBAR, 25°C DRY AIR, AND 300 OHM LOAD ACROSS SENSOR TERMINALS.

REV	DCO'S AFFECTING THIS DRAWING	DATE	APPROVED
A	INITIAL REL. #740	1/24/97	E. CUTLER
E	DCO # 3808 REVISED STORAGE TEMPERATURE	8/23/11	D.L.

1. Output:

17.0 ± 3.0 mV

2. Operation:

1. Temperature: 0 to 40° C
2. Ambient pressure: 600 – 1750 millibar
3. Relative Humidity: Up to 100% Rh
(Condensing atmosphere over several hours)

3. Storage Temperature Range:

–20 to 50° C
5 to 30° Recommended

4. Range of Measurement (Full Scale):

0 to 100% oxygen

5. Zero Offset:

Less than 0.20 mV when exposed to
100% nitrogen for 5 minutes.

6. 90% Response Time:

Less than or equal to 13 seconds.

7. Linearity:

< 3.0% of full scale

8. Stability:

Less than 1% of full scale over an 8 hour period
between 20% and 100% oxygen.

9. Repeatability:

±1% Volume O₂ at 100% O₂
applied for 5 minutes

10. Interference:

Less than 0.5% O₂ response to:
10.0% CO₂ balance N₂
80.0% N₂O balance N₂
7.5% Halothane balance N₂
7.5% Isoflurane balance N₂
7.5% Enflurane balance N₂
9.0% Sevoflurane balance N₂
20.0% Desflurane balance N₂

11. Nominal Sensor Life:

500,000% O₂ hours

12. Warm Up Time:

Less than 30 minutes after
replacement of sensor.

13. Electrical Interface:

Printed circuit board
Center contact negative
Outer contacts coupled positive

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

.XX = ±.01
.XXX = ±.005
.XXXX = ±.002

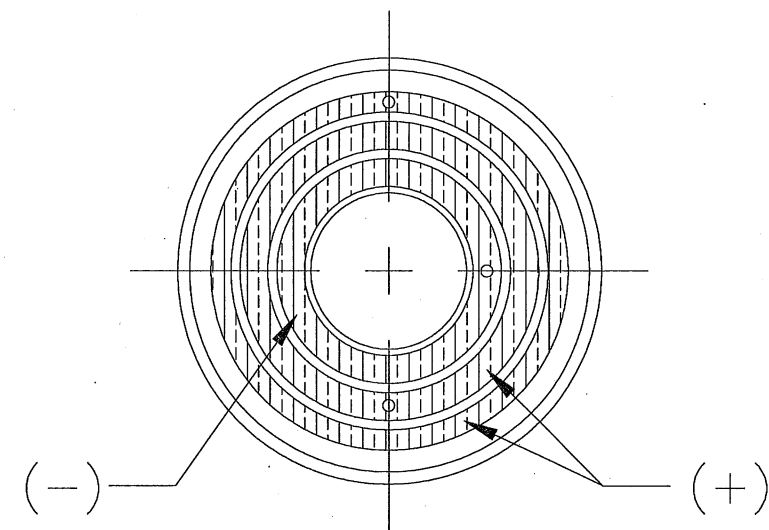
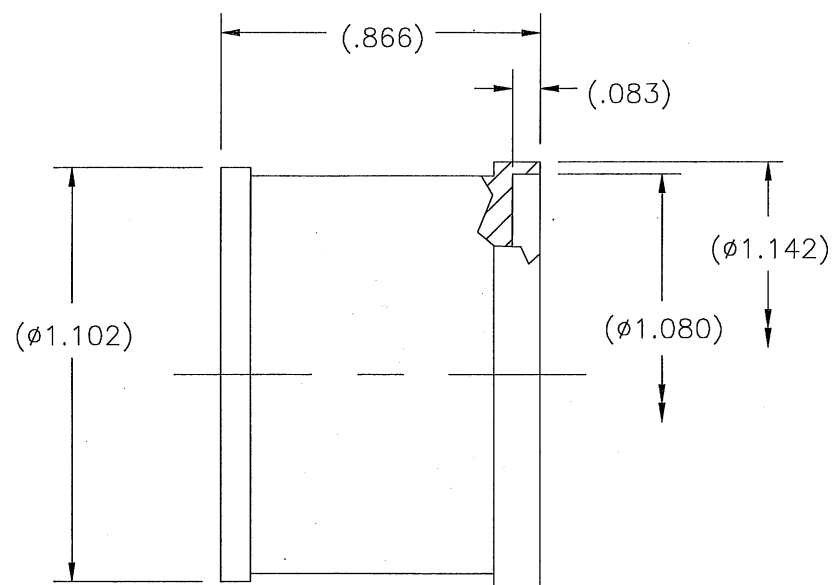
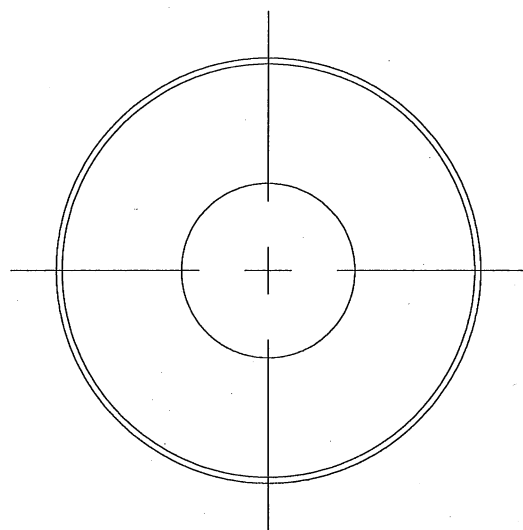
ANGLES
±1°30'

QA
T. LAVERY
8/15/11
PREP
E. CUTLER
1-24-97

MFG
E. MEADS
8/15/11
CHKR
G. POELAKKER
3-13-98

ENG
C. CINDRICH
8/10/11

maxtec ® SALT LAKE CITY, UTAH 84109			
SPECIFICATION, MAX-1 OXYGEN SENSOR			
SIZE B	FSCM NO. 1S815	NUMBER R113P85	REV E
SCALE NONE		SHEET 1 OF 2	



NOTES UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS ARE FOR AN UNLABELED SENSOR.

SIZE B	FSCM NO. 1S815	NUMBER R113P85	REV E
SCALE NONE	SHEET 2 OF 2		

PROPRIETARY INFORMATION
MAXTEC

R113P85 E