

| REV | DCO'S AFFECTING THIS DRAWING | DATE | APPROVED |
|-----|---|---------|----------|
| A | INITIAL REL. # 716 | 1/24/97 | AR |
| F | DCO # 3808 UPDATED STORAGE TEMPERATURE | 8/24/11 | D.L. |

1. Output:
26.4 to 44.0 mV in air at 1013 millibars pressure and a temperature range of 23 ± 2 °C, across a 88 ohm resistor.
2. Operating Temperature:
0° to 40 °C
3. Maximum Storage Temperature:
-20° 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 0.40 mV when exposed to 99.9 to 100% nitrogen across a 88 ohm resistor
7. 90% Response Time:
Less than or equal to 11 seconds at 23 ± 2 °C
8. Linearity:
Within $\pm 2.0\%$ of full scale

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 Compensation:
Less than $\pm 5.0\%$ of full-scale from 15° to 40°C
12. Expected Life
> 500,000% oxygen hours under normal operating conditions
13. Humidity
0% to 99% Relative Humidity non-condensing
14. Electrical Connector
Recessed 4-pin male connection (similar to Hudson #5500 sensor) with "Keyed" alignment slots.

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

.XX = ± 0.01
.XXX = ± 0.005
.XXXX = ± 0.002

ANGLES
 $\pm 1'30''$

maxtec®
SALT LAKE CITY, UTAH 84107

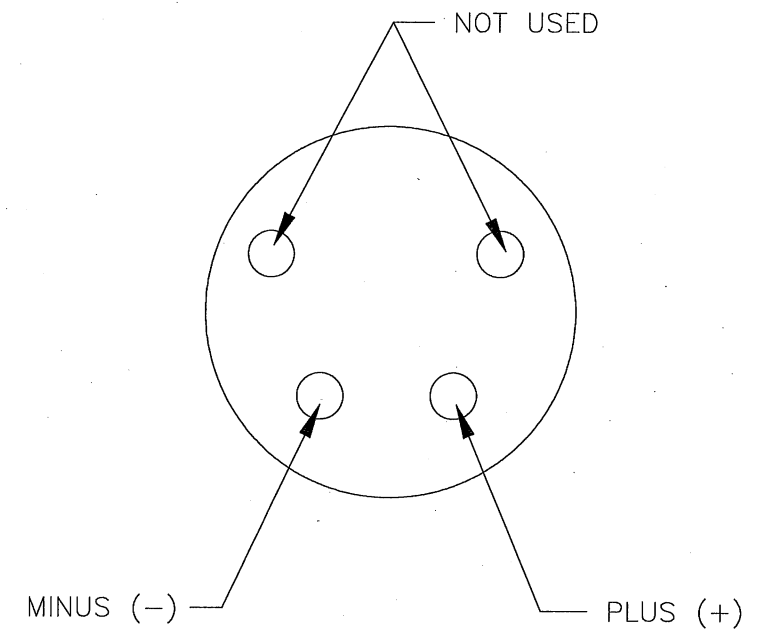
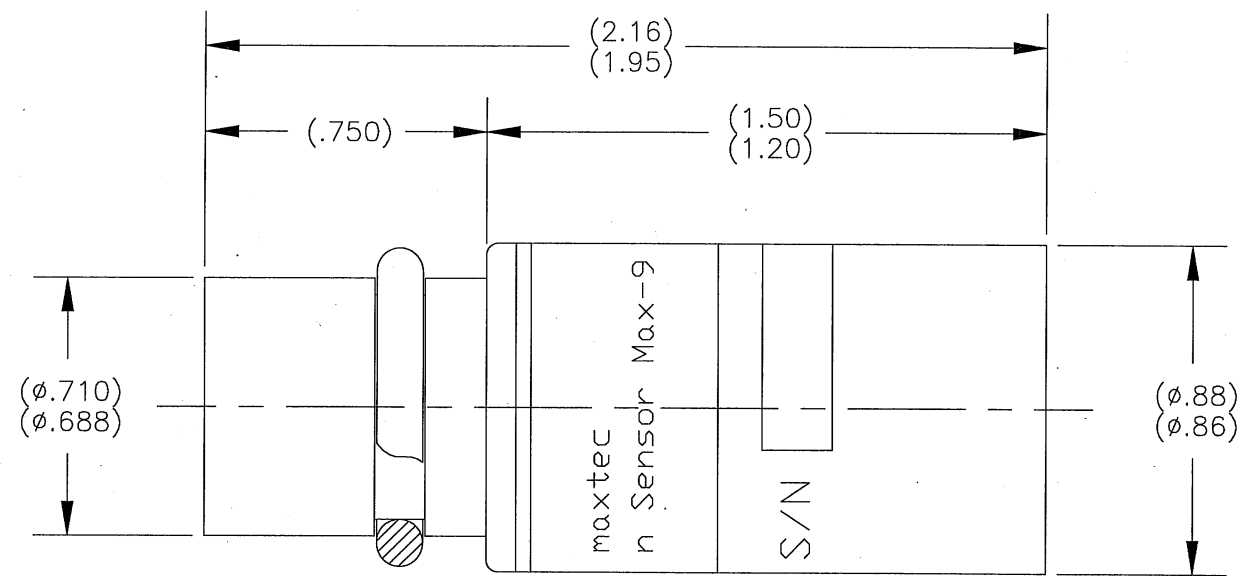
SPECIFICATIONS,
MAX-9 OXYGEN SENSOR

| | | | |
|-----------------|---------|----------------------|----------|
| QA T. LAVERY | 8/15/11 | PREP E. CUTLER | 12/10/96 |
| MFG E. MEADS | 8/15/11 | CHKR G. POELAKKER | 1/24/97 |
| | | ENG C. CINDRICH | 8/10/11 |

| | | | |
|------------|-------------------|-------------------|----------|
| SIZE B | FSCM NO. 1S815 | NUMBER R114P85 | REV F |
| SCALE NONE | | SHEET 1 OF 2 | |

PROPRIETARY INFORMATION
MAXTEC

R114P85 F



| | | | |
|------------|-------------------|-------------------|----------|
| SIZE B | FSCM NO. 1S815 | NUMBER R114P85 | REV F |
| SCALE NONE | | SHEET 2 OF 2 | |

PROPRIETARY INFORMATION
MAXTEC

R114P85 F