

REV	DCO'S AFFECTING THIS DRAWING	DATE	APPROVED
A	INITIAL REL # 3677	4/29/11	OK

1. Output:
10.0 to 15.5 mV in air at 1013 millibar pressure and a temperature range of 23±2 °C
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 0.50 mV when exposed to 99.9% to 100% nitrogen
7. 90% Response Time:
Less than or equal to 15 seconds at 23±2 °C
8. Linearity:
Within +/- 2.0% of full scale

9. Stability:
Less than 0.74 mV (1% of full scale) signal variation over an 8 hour period (drift) at constant temperature, pressure, humidity, and concentration of Oxygen.
Less than 0.0056 mV (0.0076% of full scale) signal variation per second (noise) at constant temperature, pressure, humidity, and concentration of Oxygen.
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 ± 3.0% from 15° to 40°C
12. Expected Life
> 1,500,000% oxygen hours under normal operating conditions
13. Humidity
5% to 95% Relative Humidity non-condensing

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

.XX = ±.01
.XXX = ±.005
.XXXX = ±.002

ANGLES
±1'30"

PREP
J. Anderson 4/21/11

CHKR
4/29/11

ENG
4/29/11

maxtec[®]
SALT LAKE CITY, UTAH 84107

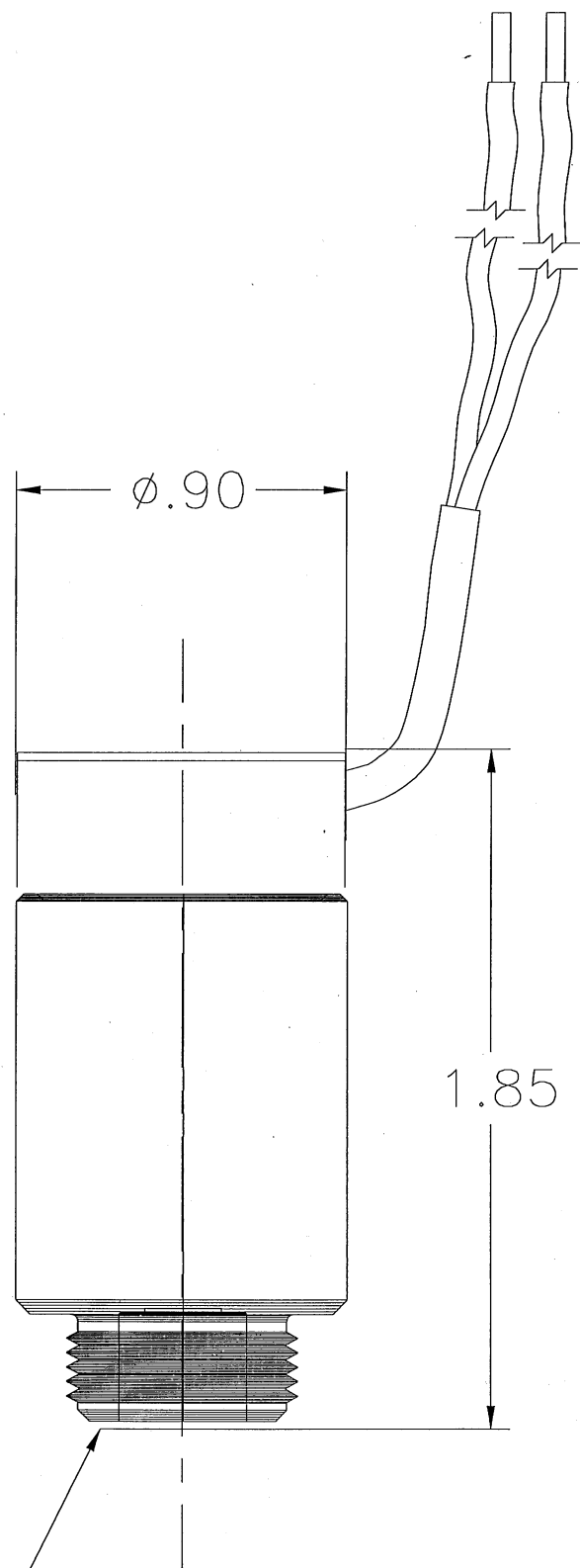
SPECIFICATIONS
MAX-250 OXYGEN SENSOR

SIZE B	FSCM NO. 1S815	NUMBER R125P19	REV A
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SCALE NONE	SHEET 1 OF 2
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PROPRIETARY INFORMATION
MAXTEC

R125P19 A



M16 x 1 Thread

SIZE B	FSCM NO. 1S815	NUMBER R125P19	REV A
SCALE NONE	SHEET 2 OF 2		

PROPRIETARY INFORMATION
MAXTEC

R125P19 A