

REV	DCO'S AFFECTING THIS DRAWING	DATE	APPROVED
A	INITIAL REL. # 1038	7/15/98	G. P.
D	DCO # 3808 REVISED OPERATING TEMPERATURE	8/23/11	D. L.

1. Output:

7.0 to 14.0 mV in air at 1013 millibar pressure and a temperature range of 23 ± 2 °C

2. Operating Temperature:

0° 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 100% nitrogen for 5 min.

7. 90% Response Time:

Less than or equal to 12 seconds at 23 ± 2 °C

8. Linearity:

Within $\pm 3.0\%$ of full scale when calibrated in 100% oxygen.

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 $\pm 3.0\%$ of full-scale error from 15° to 40°C

12. Expected Life

> 500,000%–oxygen–hours under normal operating conditions

13. Humidity

5% to 95% Relative Humidity non-condensing

14. Electrical Interface

3–Pin Molex

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

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

ANGLES
 $\pm 1'30''$

QA T. LAVERY	8/15/11	PREP C. ZASTROW	7/11/98
MFG E. MEADS	8/15/11	CHKR G. POELAKKER	7/15/98
		ENG C. CINDRICH	8/10/11

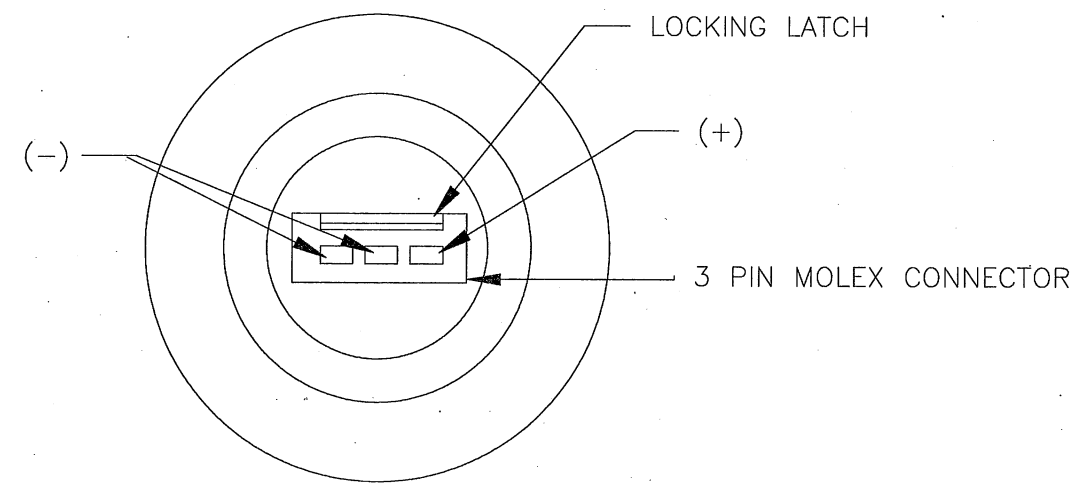
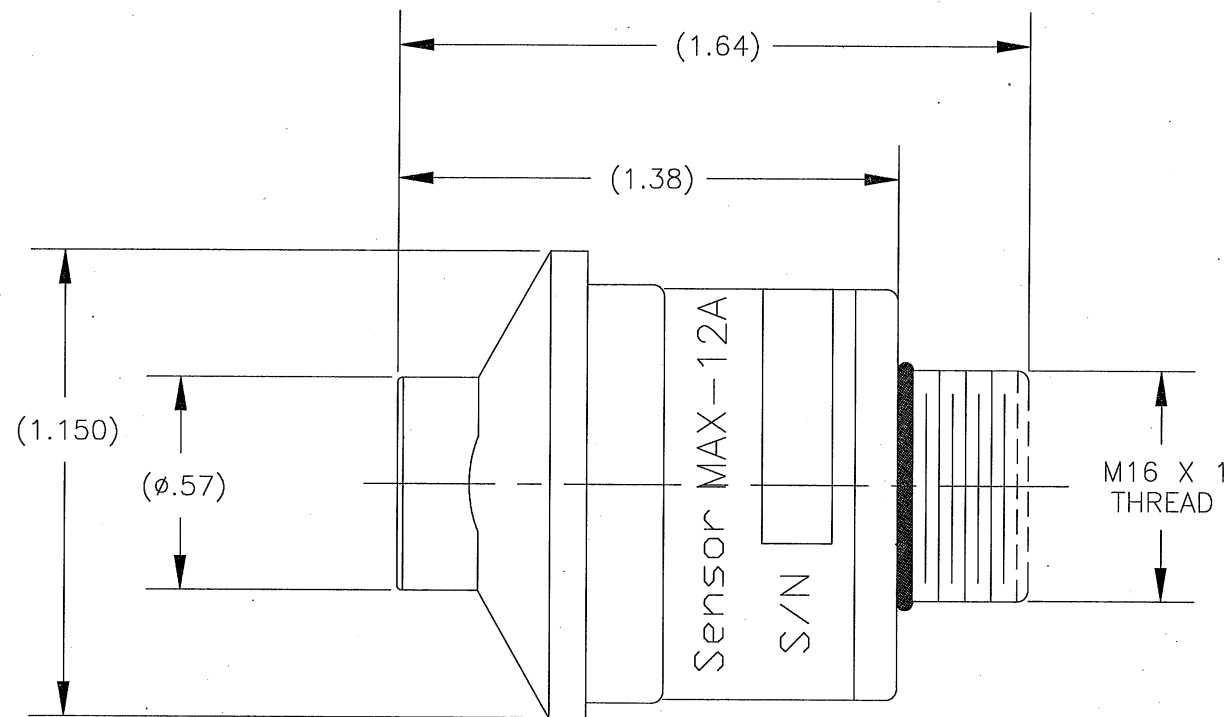
maxtec®

SALT LAKE CITY, UTAH 84107

SPECIFICATIONS,
MAX-12A OXYGEN SENSOR

SIZE B	FSCM NO. 1S815	NUMBER RP99P11	REV D
SCALE NONE		SHEET 1 OF 2	

PROPRIETARY INFORMATION
MAXTEC



SIZE B	FSCM NO. 1S815	NUMBER RP99P11	REV D
SCALE NONE	SHEET 2 OF 2		

PROPRIETARY INFORMATION
MAXTEC

RP99P11 D