

REV	DCO'S AFFECTING THIS DRAWING	DATE	APPROVED
A	INITIAL RELEASE 4257	4/28/98	G.P.
G	DCO # 4462 UPDATED SPECS	4/1/13	L.L.

1. Output:

$11\text{mV} \pm 2.5\text{mV}$ in air at 1013 millibar pressure and a temperature range of $23\pm 2^\circ\text{C}$

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 for 5 min.

7. 90% Response Time:

Less than or equal to 15 seconds at $23\pm 2^\circ\text{C}$

8. Linearity:

Within $+\/- 1.0\%$ 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 $\pm 3.0\%$ from 15° to 40°C

12. Expected Life:

> 1,500,000% oxygen hours under normal operating conditions

13. Humidity:

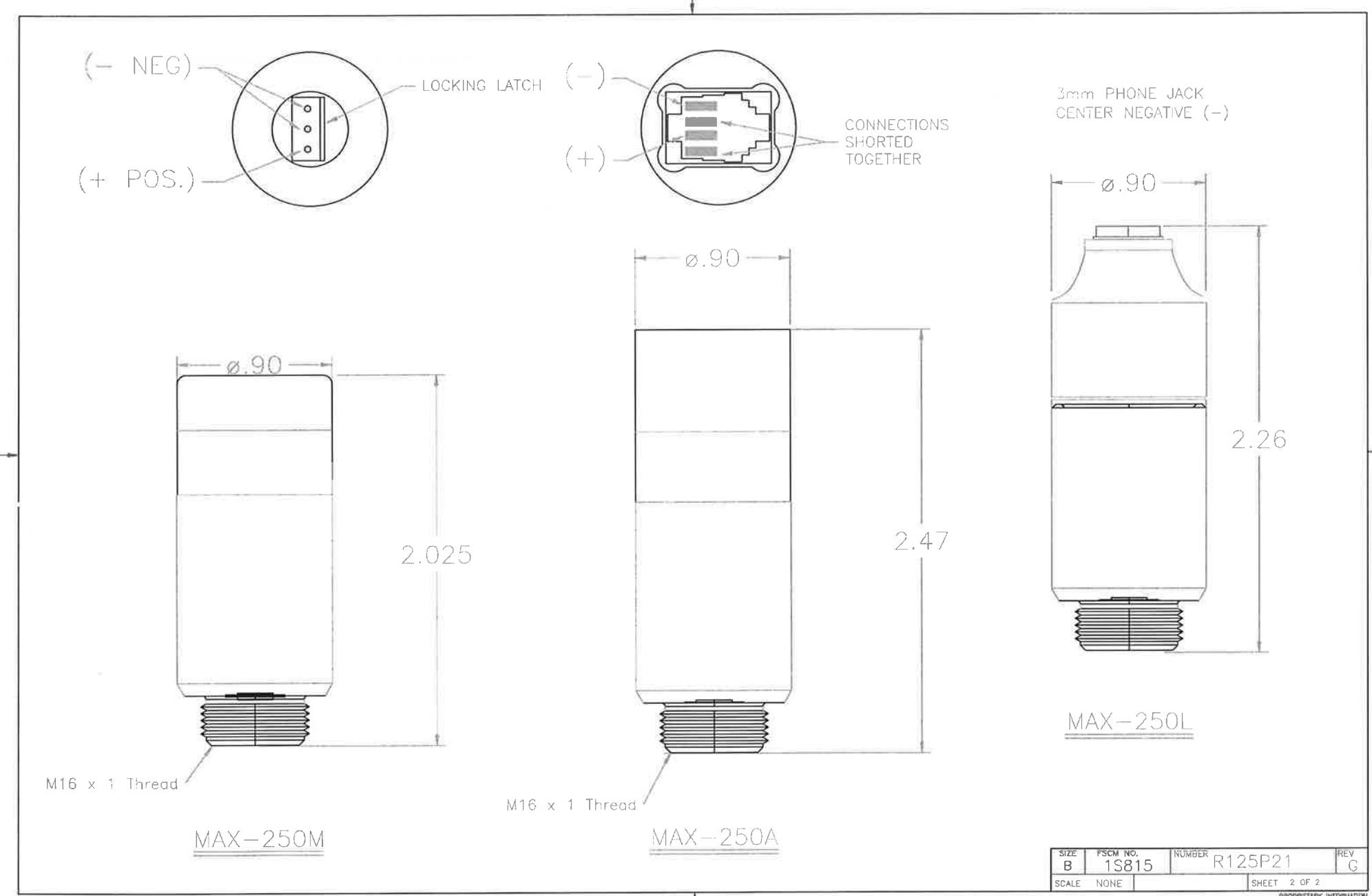
5% to 95% Relative Humidity non-condensing

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

XX = $\pm .01$
 XXX = $\pm .005$
 XXXX = $\pm .002$

ANGLES
 $\pm 1^\circ 30'$

maxtec [®] SALT LAKE CITY, UTAH 84107			
SPECIFICATIONS MAX-250A, MAX-250M & MAX-250L OXYGEN SENSOR			
SIZE	FSQM NO.	NUMBER	REV
B	15815	R125P21	C
SCALE	NONE		
			SHEET 1 OF 2



SIZE	FS/CM. NO.	NUMBER	REV
B	1S815	R125P21	G
SCALE	NONE		
		SHEET 2 OF 2	

PROPRIETARY INFORMATION
MAXTEC