

ALL PRODUCT SPECIFICATIONS ARE APPLICABLE AT STANDARD CONDITIONS:
25°C, 50% RH and 1013 hPa.

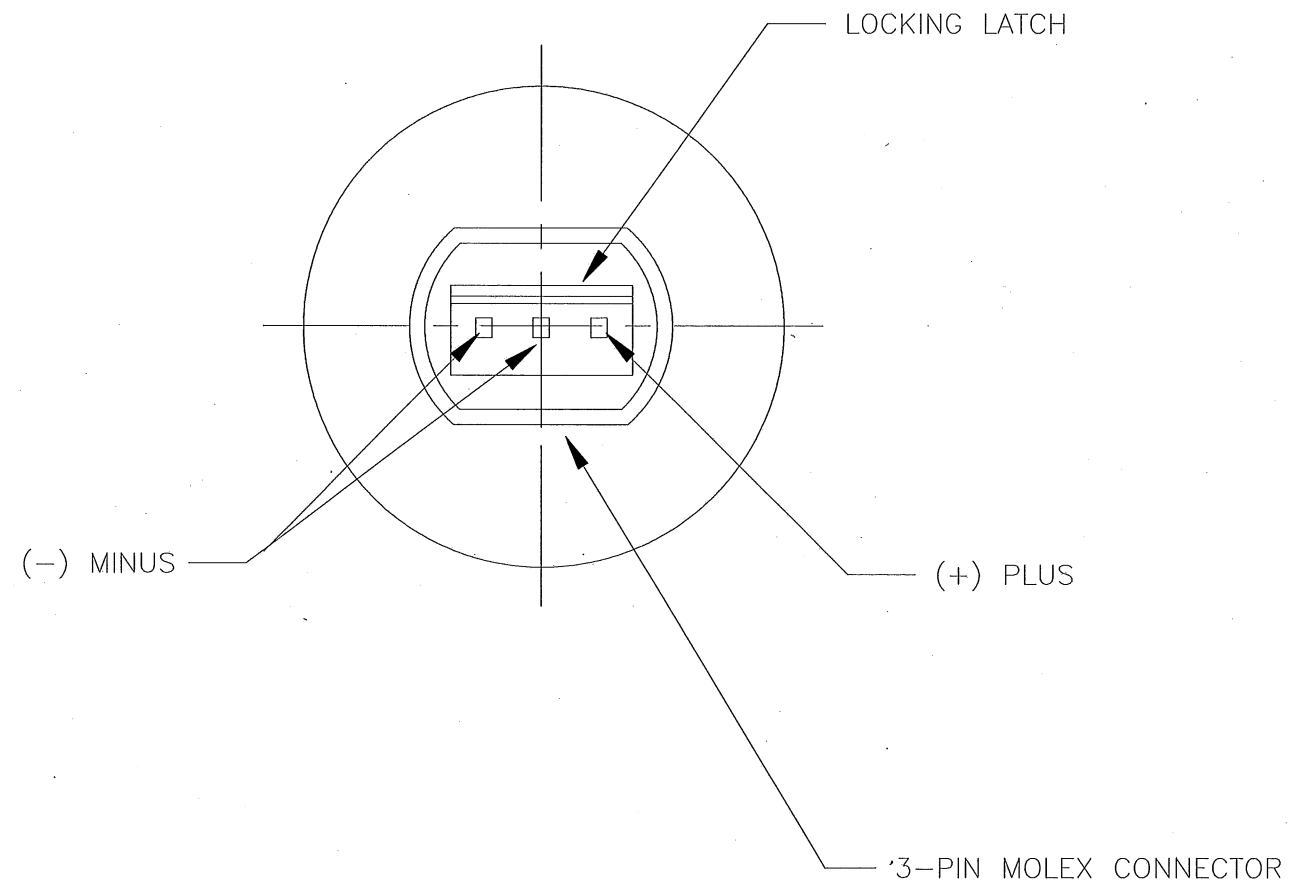
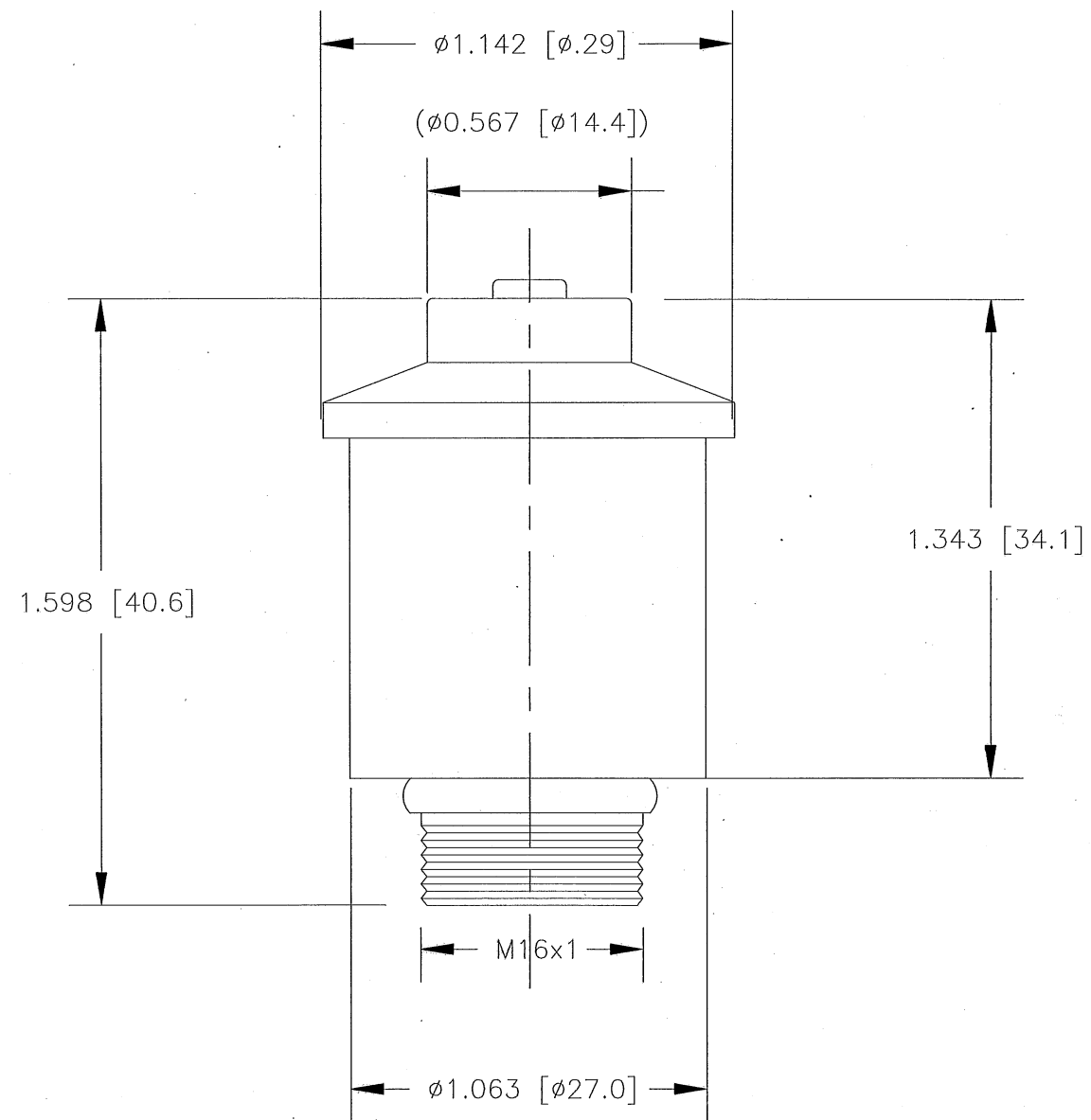
REV	DCO'S AFFECTING THIS DRAWING	DATE	APPROVED
A	INITIAL REL. # 3386	6/3/10	D.L.
C	DCO # 3782 CORRECTED ERRORS	7.20.11	C.C.

1. Output:
9 to 12 mV @ dry air
2. Operation:
 1. Temperature: 0 TO 45°C
 2. Operating pressure: 600 – 1750 mbar
3. Storage Temperature Range:
-20° to 50° C
5° to 30° C Recommended
4. Range of Measurement (Full Scale):
0 to 100% oxygen
5. Zero Offset:
Less than 150 μV when exposed to
to 100% nitrogen for 5 minutes
7. Linearity Error:
Less than 2% @ constant pressure, temperature
8. Stability:
Less than 1% volume oxygen per month (in air)
9. Influence of Humidity:
-0.03% relative oxygen reading per % RH
10. Interference:
None to He, H₂, and CO
11. Recommended Load Resistor:
more than 10K ohms
12. Nominal Sensor Life:
> 500,000 % – Oxygen hours
(expected life = approx. 36 months in ambient air)
13. Electrical Interface:
3 pin molex gold plated
14. Response time (+90) <5 sec.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND PER ANSI Y14.5-1982		maxtec [®] SALT LAKE CITY, UTAH 84107	
.XX = ±.01 .XXX = ±.005 .XXXX = ±.002	ANGLES ±1'30"	SPECIFICATION MAX-305 OXYGEN SENSOR	
QA T. LAVERY 7/18/11	PREP D. LARSEN 5/25/10	SIZE B	FSCM NO. 1S815
MFG E. MEADS 7/18/11	CHKR A. BOARDMAN 6/15/10	NUMBER R108P22	REV C
ENG A. BOARDMAN 7/15/11	SCALE NONE	SHEET 1 OF 2	

PROPRIETARY INFORMATION
MAXTEC

D
C
B
C



NOTES:

1. DIMENSIONS IN INCHES
2. DIMENSIONS IN MILLIMETERS IN BRACKETS
3. GENERAL TOLERANCE ± 0.005 INCHES, [$\pm 0.15\text{mm}$]

SIZE B	FSCM NO. 1S815	NUMBER R108P22	REV C
SCALE NONE		SHEET 2 OF 2	