

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	6/15/10	OK

1. Output:

9 to 12 mV @ dry air

2. Operation:

1. Temperature: 0 TO 45°C
2. Ambient pressure: 600 – 1750 mBar
3. Relative Humidity: Up to 100% Rh
(Condensing atmosphere over several hours)
4. Operating pressure: 600 – 1750 aPh

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 mV when exposed to
to 100% nitrogen for 5 minutes

7. Linearity:

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

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

.XX = ±.01
.XXX = ±.005
.XXXX = ±.002

ANGLES
±1'30"

QA INSPECTION 74	PREP D. LARSEN 5/25/10	DATE 6/15/10	DATE 6/15/10
DESIGN 6/15/10	DATE 6/15/10	DATE 6/15/10	DATE 6/15/10

maxtec[®]

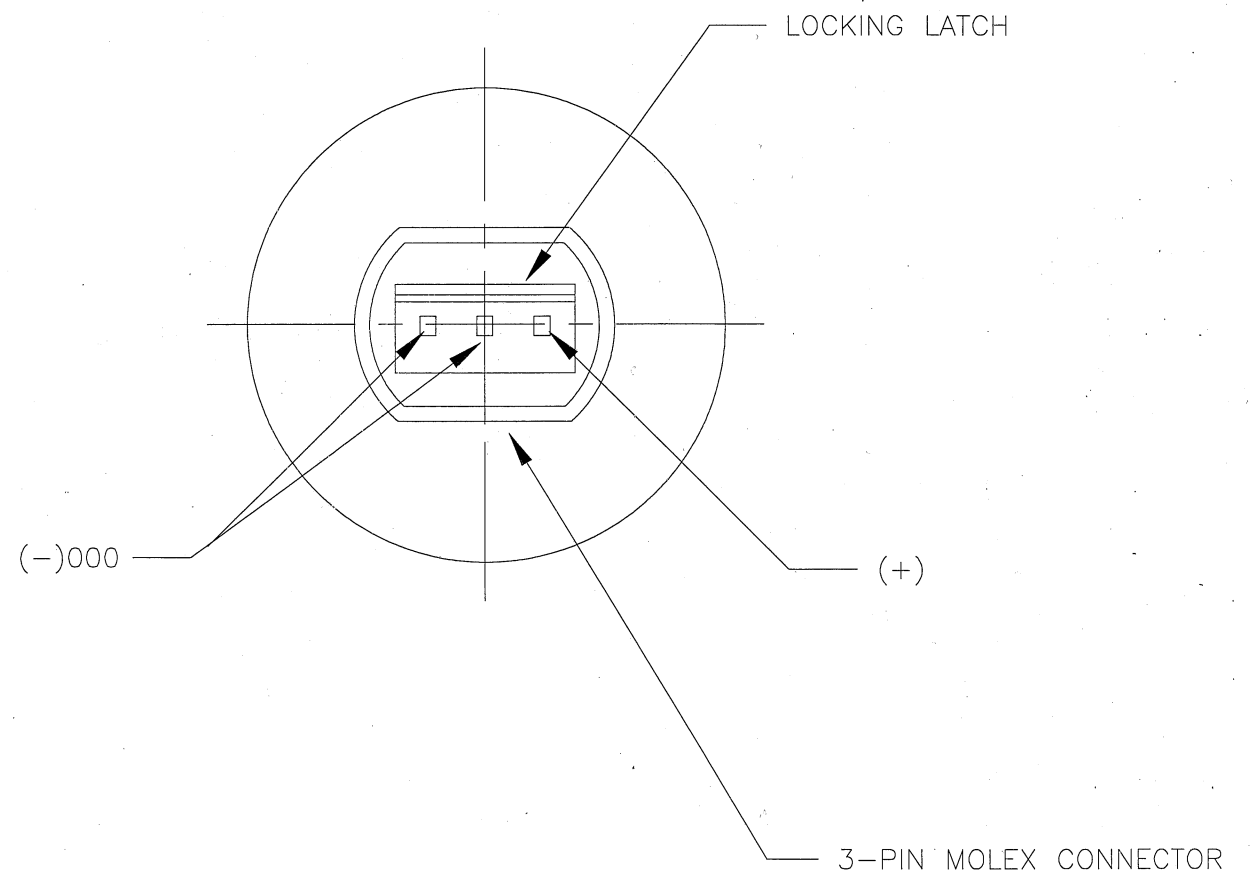
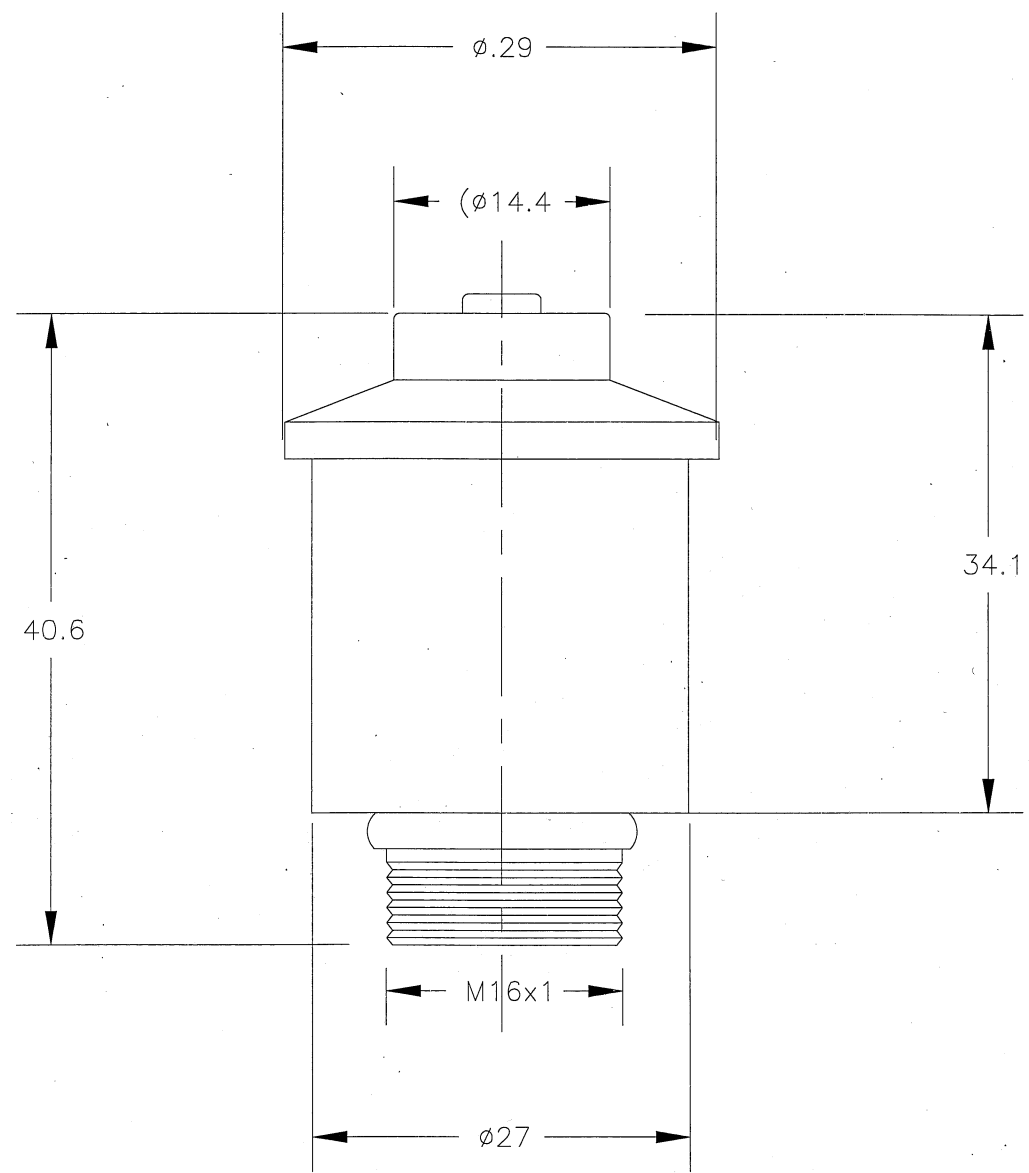
SALT LAKE CITY, UTAH 84107

SPECIFICATION
MAX-305 OXYGEN SENSOR

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

PROPRIETARY INFORMATION
MAXTEC

R108P22 A



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

PROPRIETARY INFORMATION

R108P22 A