REV	DCO'S AFFECTING THIS DRAWING	DATE	APPROVED
A	INITIAL REL. #1209	4/5/99	D.L.
B	DCO # 1989 REVISED SPECIFICATIONS		

ALL PRODUCT SPECIFICATIONS ARE APPLICABLE AT STANDARD CONDITIONS:
1013 MILLIBAR, 25° C DRY AIR.

1. Output:

   9.0 to 13.0 mV

2. Operation:

   Temperature: 0° – 40° C
   Pressure: 600 – 1750 mBar
   Relative Humidity: up to 100% RH
   (Condensing atmosphere over several hours)

3. Storage Temperature Range:

   –20° to 60 °C
   5° to 30°C Recommended

4. Range of Measurement (Full Scale):

   0 to 100% oxygen

5. Zero Offset:

   Less than or equal to 0.20 mV when exposed to 100% nitrogen for 5 minutes

6. 90% Response Time:

   Less than or equal to 13 seconds

7. Linearity:

   <3% error

8. Stability:

   Less than 1% of full scale over an 8 hour period between 20% and 100% Oxygen.

9. Repeatability:

   ±1% volume oxygen @ 100% oxygen applied for 5 minutes

10. Interference:

    Less than .5% oxygen response to 80% Nitrous oxide
    Less than .5% oxygen response to 7.5% Halothane
    Less than .5% oxygen response to 7.5% Isoflurane
    Less than .5% oxygen response to 7.5% Enflurane
    Less than .5% oxygen response to 9% Sevoflurane
    Less than .5% oxygen response to 20% Desflurane
    Less than .5% oxygen response to 10% Carbon Dioxide

11. Nominal Life:

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

12. Warm–up Time:

    Less than 30 minutes after replacement of sensor

13. Electrical Interface:

    3 Pin, Female, Molex Connector

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND PER ANSI Y14.5–1982			
.XX = ±.01 .XXX = ±.005 .XXXX= ±.002	ANGLES ±1°30'		
QA G. ROTH	9/15/03	PREP D. LARSEN	3/26/99
MFG E. MEADS	9/15/03	CHKR D. GOETZ	4/5/99
		ENG T. COOK	9/15/03

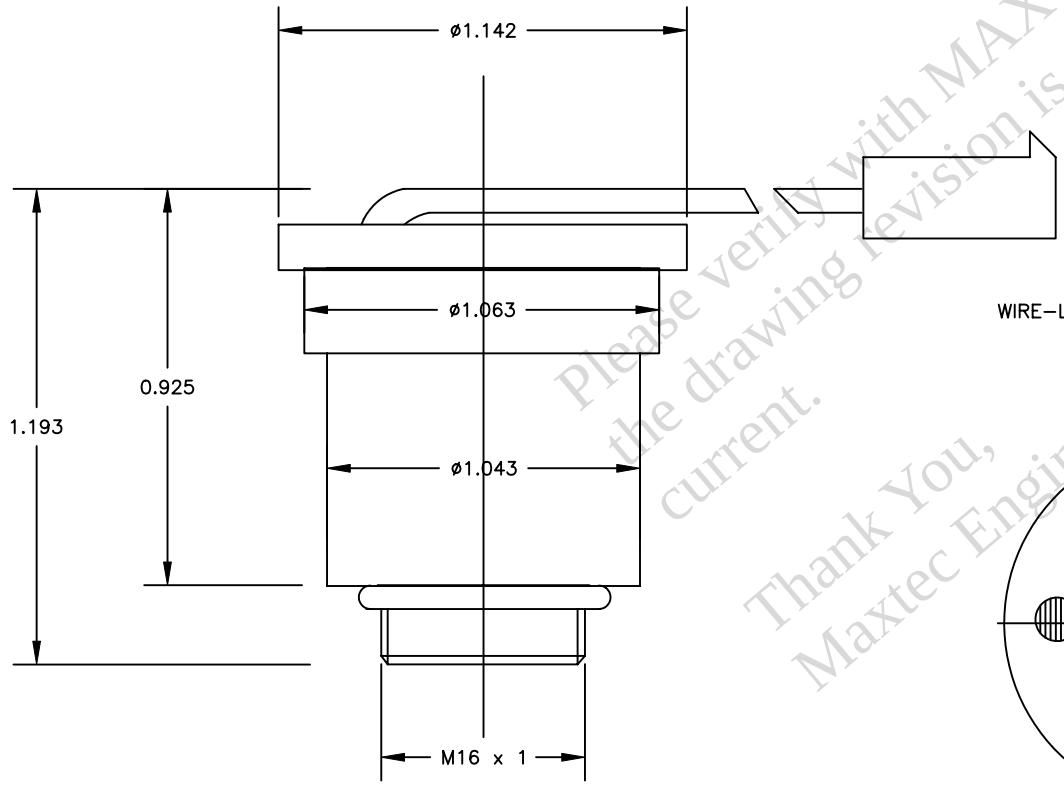
maxtec
SALT LAKE CITY, UTAH 84109

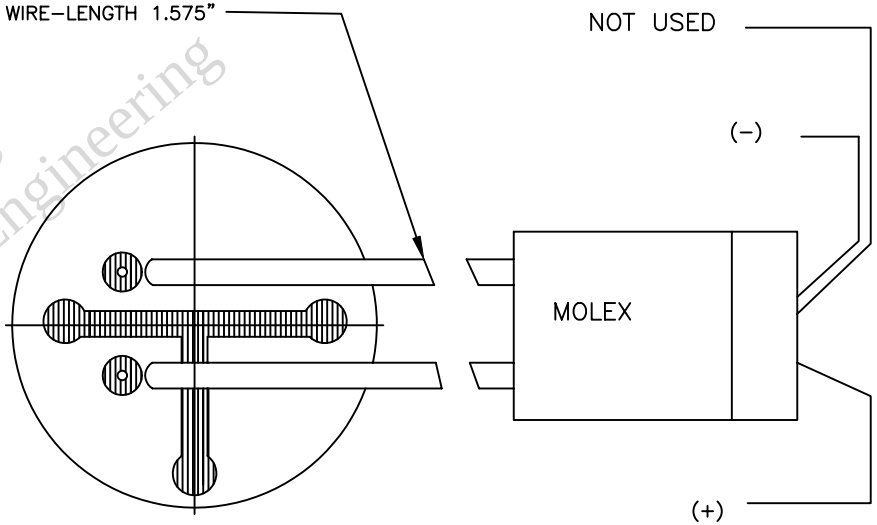
SPECIFICATIONS
MAX–14 OXYGEN SENSOR

SIZE	FSCM NO.	NUMBER	REV
B	1S815	R116P81	B

SCALE NONE SHEET 1 OF 2

R116P81 B





SIZE	FSCM NO.	NUMBER	REV
B	1S815	R116P81	B
SCALE 2.0 = 1.0		SHEET 2 OF 2	

R116P86 B