

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

REV	DCO'S AFFECTING THIS DRAWING	DATE	APPROVED
A	INITIAL REL. # 3713	6/2/11	OK

1. Output:
8.5 TO 11.5 mV @ dry ambient air
2. Operation:
 1. Temperature: 0° to 40° C
 2. Pressure Range: 750 to 1250 hPa
 3. Relative Humidity: Up to 100% Rh
(Condensing atmosphere over several hours)
3. Storage Temperature Range:
-20° to 50° C
5° to 30° C Recommended
4. Range of Measurement (Full Scale):
0 to 100 Vol. %
5. Zero Offset:
<200 μV in 100% N₂,
applied for 5 minutes
6. T90 Response Time:
Less than or equal to 12 seconds
7. Linearity Error:
≤3% @ 100% O₂ applied for 5 min.
8. Stability:
Less than 1% volume O₂ /month @ air
9. Repeatability:
±1% Volume O₂ at 100% O₂,
applied for 5 minutes

10. Interference: According to:
DIN EN 12598 and
ISO 7767
11. Nominal Sensor Life:
>500,000% O₂ hours
12. Electrical Interface:
Mat-N-Lock 2 way; AMP 350777-1
13. Expected Operating Life:
<3 years @ ambient air
14. Influence of Humidity:
-0.03% rel. O₂ reading per % RH
15. Recommended Load Resistor:
≥ 10 KOHM
16. Temperature Compensation:
NTC
17. Shelf Life:
> 6 months
18. Warranty:
16 months

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	ANGLE ±1'30"	SPECIFICATION MAX-24 OXYGEN SENSOR	
PREP D. LARSEN	6/2/11	SIZE B	FSCM NO. 1S815
CHKR <i>[Signature]</i>	6/3/11	NUMBER R109P16	REV A
ENG <i>[Signature]</i>	6/3/11	SCALE NONE	SHEET 1 OF 2

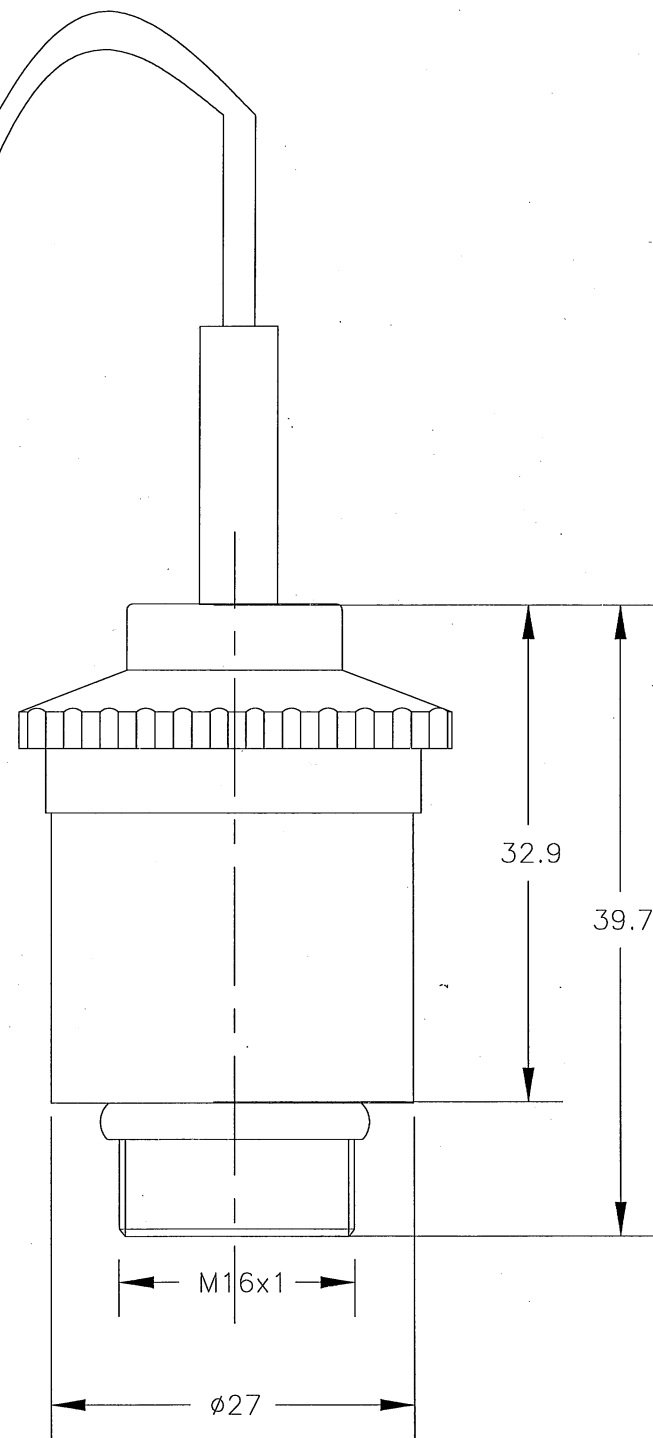
QA INSPECTION 74

PROPRIETARY INFORMATION
MAXTEC

D
C
B
A
R109P16 A

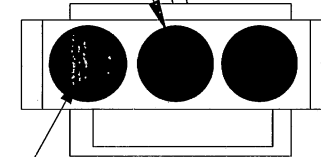
LENGTH CABLE
COMPLETE 120mm

MAT-N-LOCK
2 WAY

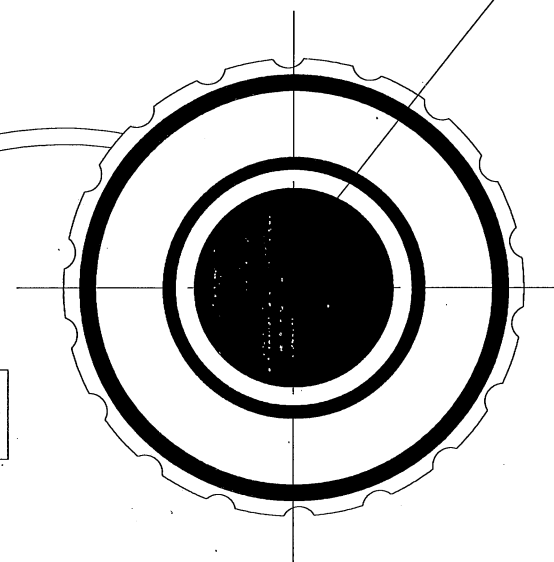


PLUS (+) BROWN

MINUS (-) BLACK



SENSING AREA



NOTES:

1. WEIGHT = APPROX 28g
2. MATERIAL IN CONTACT WITH MEDIA = PA, PPS, PTFE, STAINLESS STEEL
3. COLOR (HOUSING) = WHITE

SIZE B	FSCM NO. 1S815	NUMBER R109P16	REV A
SCALE 2.0 = 1.0		SHEET 2 OF 2	

PROPRIETARY INFORMATION
MAYTEC

R109P47