

REVISIONS			
REV.	DCO'S RELATED TO THIS DRAWING	DATE	APPROVED
A	INITIAL RELEASE DCO # 2998	9/10/08	D.L.
B	DCO # 3908 CORRECTED ELECTRICAL INTERFACE	11/10/11	D.L.

1. Output:

Optimized for Oxygen Analyzer Hudson RCI[®] 5801 in air at 1013 millibar pressure, 50% RH and a temperature range of 25° C, with 143 Ω load is 4-11 mV.

2. Operating Temperature:

5° to 45° C

3. Recomendated Storage Conditions

Optimal Storgage Temperature (Recommended): 5° to 30° C
Maximum Storage Temperature: -20° to 50° C
Storage Ambient Pressure: 750 to 1250 hPa
Storage Humidity: Up to 100% RH
Storage Shelf Life: 3 Months

5. Range of Measurement (Full Scale)

0-100% Vol.% Oxygen

6. Zero Offset:

Less than 50 µA when exposed to 100% Nitrogen for 5 min.

7. 90% Response Time

Less than or equal to 12 seconds at 25° C

8. Linearity:

Less than or equal to 2.0% at 100% Oxygen applied for 5 minutes

9. Pressure Range

750 to 1250 hPa

10. Stability (Drift)

Less than 1% of full scale over a month at air, constant temperature, pressure and humidity.

11. Interference:

According DIN EN 12598 and DIN EN ISO 21647

12. Temperature Compensation:

NTC

13. Sensor Life:

500,000 Vol.% Oxygen hours under normal operating conditions*

14. Humidity:

-0.03% rel. Oxygen reading per % Relative Humidity (RH)

15. Electrical Interface:

AMP Phone Jack 4P4C
Pin Output: (A: Uout (-), B: NTC (+), C: Uout (+) and NTC, D: Uout (-)

16. Material in Contact With Media:

PA, PPS, PTFE, Stainless Steel

17. Housing Color:

White

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

maxtec[®]
SALT LAKE CITY, UTAH 84107

Specification, MAX-47
Oxygen Sensor

Q.A.	CHECKED	11/10/11	11/10/11
x T. LAVERY	G. PEKAR	9/11/08	x C. CINDRICH
MFG	ENG		
x E. MEADS			

SIZE

B

DWG. NO.

R112P17

SCALE: 1:1

SHEET 1 OF 2

PROPRIETARY INFORMATION
MAXTEC

R112P17B

8

7

6

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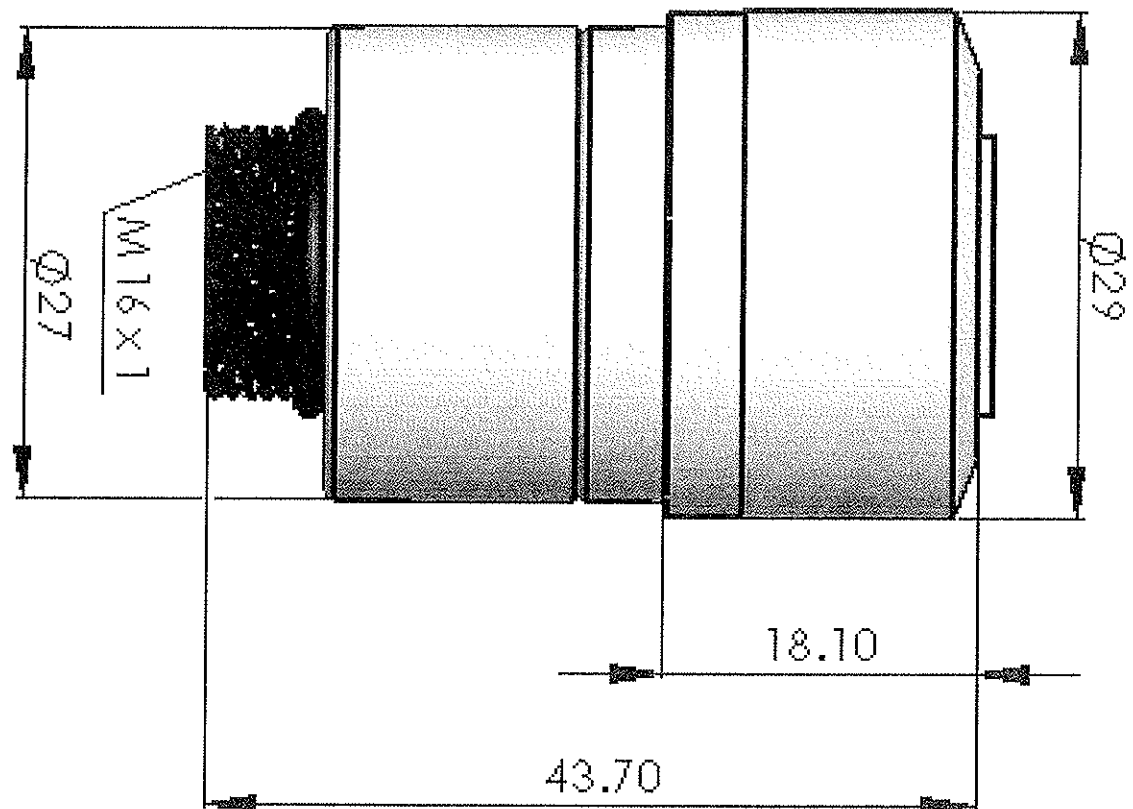
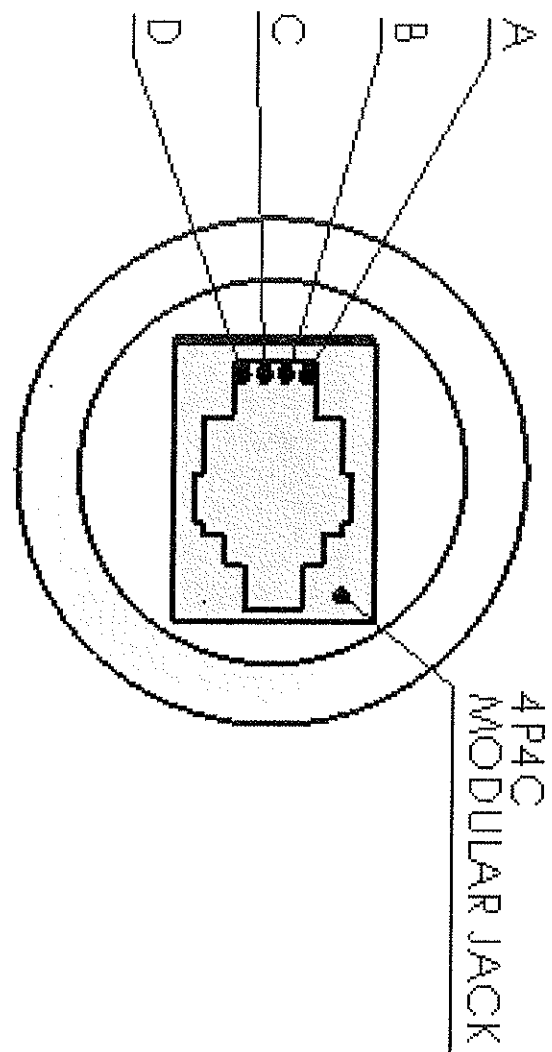
1

D

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A



D

C

B

A

R112P17 B

SIZE
B

DWG. NO.
R112P17

REV
B

SCALE: 1:1

SHEET 2 OF 2

1 PROPRIETARY INFORMATION
MAXTEC

8

7

6

5

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2