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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. # 1643	10/10/00	D. L.
C	DCO # 3808 UPDATED TEMPERATURES	8/23/11	D. L.

1. Output:

8.5 to 15.0 mV

2. Operation:

- 1. Temperature: 0° TO 50°C
- 2. Ambient pressure: 600 – 1750 mBar
- 3. Relative Humidity: Up to 100% Rh
(Condensing atmosphere over several hours)

3. Storage Temperature Range:

-20° to 50° C (-40 TO 70°C Intermittent)
5° to 30° C Recommended

4. Range of Measurement (Full Scale):

0 to 100% oxygen

5. Zero Offset:

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

6. 90% Response Time:

Less than or equal to 15 seconds

7. 96% Response Time:

Less than or equal to 30 seconds

8. Linearity:

± 1% Full Scale Error Maximum

9. Stability:

Less than 0.5% of full scale over an 8 hour period
between 20% and 100% Oxygen
Less than 2.0% of full scale output per month
when exposed to 21% Oxygen.

10. Repeatability:

±1% Volume O₂ at 100% O₂,
applied for 5 minutes

11. Interference: Less than 0.3% O₂ response to:

- 10.0 % CO₂ balance N₂
- 80.0 % N₂O balance N₂
- 7.5% Halothane balance N₂
- 7.5% Isoflurane balance N₂
- 7.5% Enflurane balance N₂
- 9.0% Sevoflurane balance N₂
- 20.0% Desflurane balance N₂

12. Warm-up Time:

Less than 30 minutes after replacement of sensor

13. Nominal Sensor Life:

>1,500,000% O₂ hours

14. Electrical Interface:

3-pin male molex connector (gold-plated pins)

15. Maximum Air leakage Through Sensor:

.03 in³ per minute @ 4 inch Hg
(5.0 ml/per minute @ 100mm Hg)

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND PER ANSI Y14.5-1982		maxtec® SALT LAKE CITY, UTAH 84107					
		TOL = ±.01 TOL = ±.005 TOL = ±.002		ANGLES ±1°30'		SPECIFICATION MAX-16 OXYGEN SENSOR			
QA T. LAVERY	8/15/11	PREP D. LARSEN	10/9/00	SIZE B	FSCM NO. 1S815	NUMBER R114P71	REV C		
MFG E. MEADS	8/15/11	CHKR D. GOETZ	11/6/00	SCALE NONE		SHEET 1 OF 2			
		ENG C. CINDRIČH	8/10/11						

