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SPECIFICATIONS FOR MAX-23
PART #R116P06
BASED ON CONDITIONS AT 25°C, 50% RH AND 1013 hPa

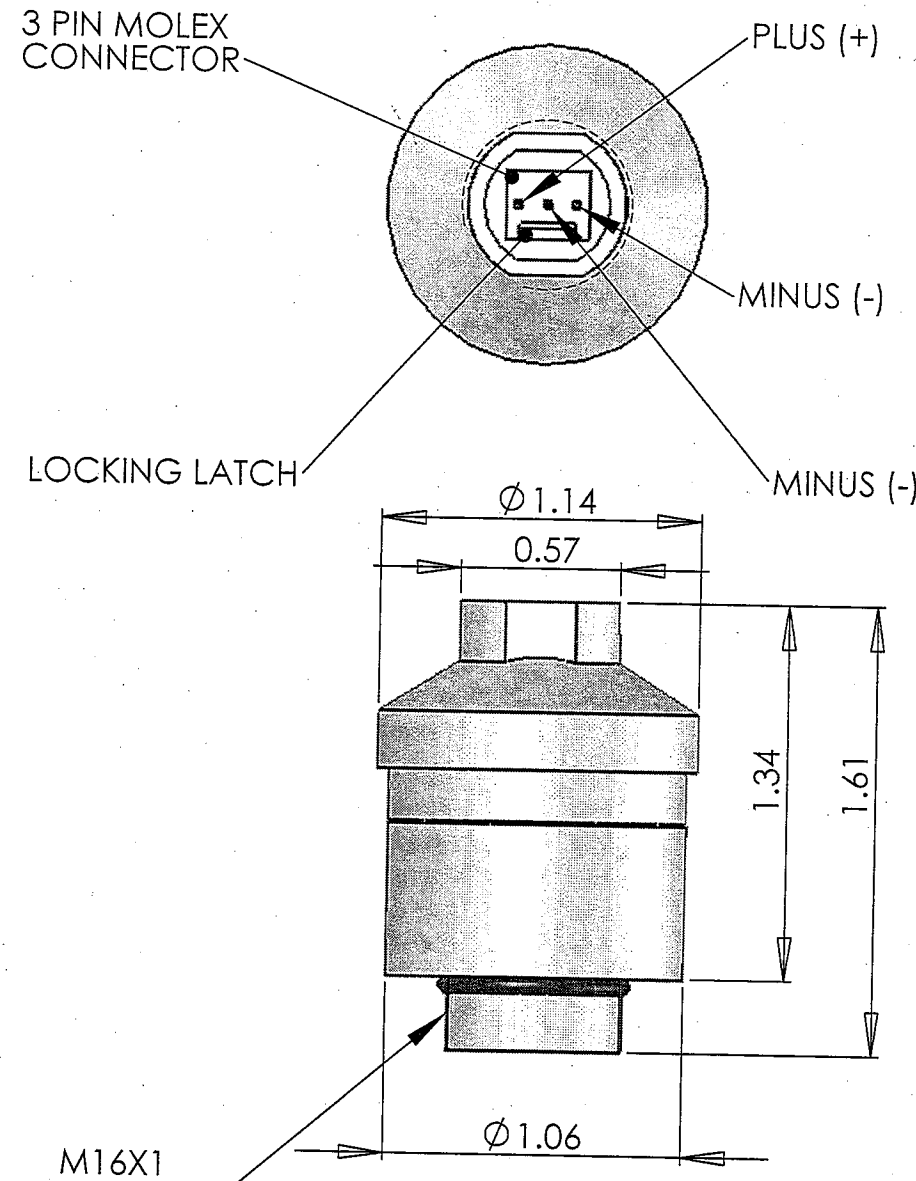
REVISIONS			
REV.	DCO'S RELATED TO THIS DRAWING	DATE	APPROVED
A	INITIAL REL.#2543	7/17/07	D. L.
B	DCO# <i>2864</i> ADDED SPECIFICATIONS AND NOTES	18 DEC 07	<i>[Signature]</i>

KEY FEATURES

1. ELECTRICAL CONNECTOR: 3-PIN MOLEX
2. MEASUREMENT RANGE: 0 TO 100 VOL.%
3. NOMINAL SENSOR LIFE: > 500,000 VOL.%h
4. EXPECTED OPERATING LIFE: < 3 YEARS @ AMBIENT AIR
5. OUTPUT SIGNAL: 8.0 TO 12.5 mV @ DRY AMBIENT AIR
6. RESPONSE TIME t_{90} : 2.5 to 3.0 sec
7. RESPONSE TIME $t_{90-t_{99}}$: < 30sec
8. DRIFT: < 1% VOLUME O₂ / MONTH @ AIR
9. OPERATING TEMPERATURE: 0-40°C
10. PRESSURE RANGE: 750 TO 1250 hPa
11. LINEARITY ERROR: < 3% @ 100% O₂ APPLIED FOR 5 MIN.
12. ZERO OFFSET VOLTAGE: = 200 μ V IN 100% N₂, APPLIED FOR 5 MIN
13. REPEATABILITY: $\pm 1\%$ VOLUME O₂ @ 100% O₂, APPLIED FOR 5 MIN
14. INFLUENCE OF HUMIDITY: -0.03% REL. O₂ READING PER % RH
15. RECOMMENDED LOAD RESISTOR: ≥ 10 kOhm
16. TEMPERATURE COMPENSATION: NTC
17. INTERFERENCES: ACCORDING TO DIN EN 12598 AND ISO 7767

STORAGE CONDITIONS

18. TEMPERATURE RANGE:
 - a. RECOMMENDED: 5 TO 30°C
 - b. MAXIMUM: -20 TO 50°C
19. HUMIDITY: UP TO 100% RH
20. SHELF LIFE: < 6 MONTHS
21. WEIGHT: APPROXIMATELY 24 g
22. MATERIAL IN CONTACT WITH MEDIA: PA, PPS, PTFE, STAINLESS STEEL
23. WARRANTY PERIOD: 24 MONTHS
24. HOUSING COLOR: WHITE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND PER ANSI Y14.5-1982		maxtec® SALT LAKE CITY, UTAH 84107	
.XX = ±0.1 .XXX = ±0.05 .XXXX = ±0.02	ANGLES ±1°30'	MAX-23 SPECIFICATIONS	
ORIGINATOR D. LYNN	6/22/06	SIZE B	DWG. NO. R116P05
CHECKED D. LYNN	8/10/06	REV B	
QA INSP 15 DIM 14 DEC 07 MFC <i>[Signature]</i> 18 DEC 07		SCALE: 2:1	SHEET 1 OF 1