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

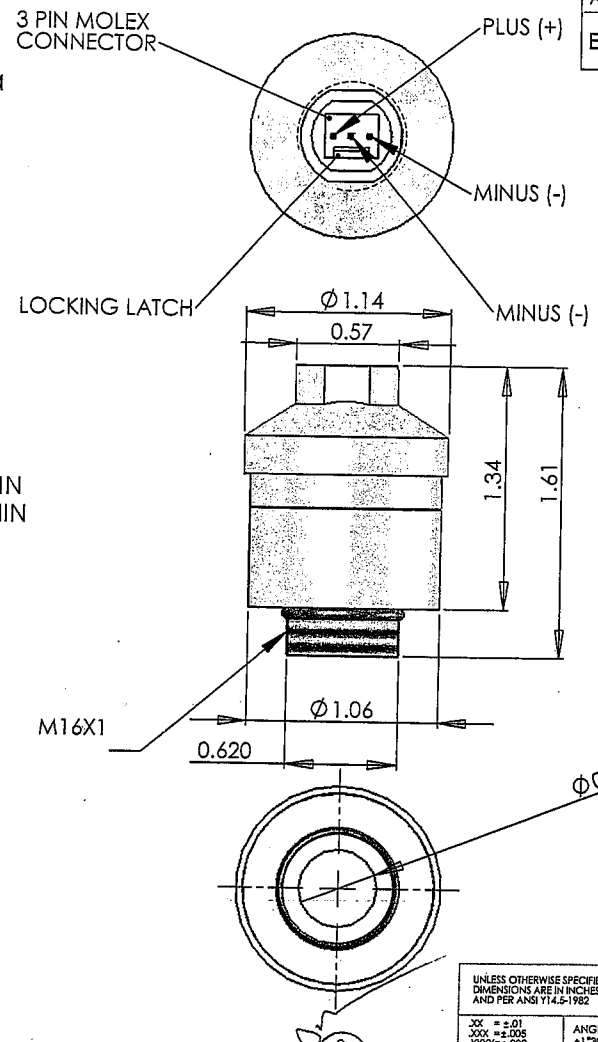
REVISIONS			
REV.	DCO's RELATED TO THIS DRAWING	DATE	APPROVED
A	INITIAL REL:#2543	7/17/07	D. L.
E	DCO# 3137 Change Storage temp to -20-50 Degrees Celcius	3/13/09	

KEY FEATURES

1. ELECTRICAL CONNECTOR: 3-PIN MOLEX
2. MEASUREMENT RANGE: 0 TO 100 VOL.%
3. NOMINAL SENSOR LIFE: > 500, 000 VOL.% h
4. EXPECTIED 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 O_2 / MONTH @ AIR
9. OPERATING TEMPERATURE: 0-40°C
10. PRESSURE RANGE: 750 TO 1250 hPa
11. LINEARITY ERROR: < 3% @ 100 % O_2 APPLIED FOR 5 MIN.
12. ZERO OFFSET VOLTAGE: = 200 µV IN 100% N_2, APPLIED FOR 5 MIN
13. REPEATABILITY: ± 1 % VOLUME O_2 @ 100% O_2, APPLIED FOR 5 MIN
14. INFLUENCE OF HUMIDITY: -0.03% REL. O_2 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



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AUG 29 2011
EFFECTIVE DATE
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QA INSP 15

Q.A. D. Miranda	3-13-09	CHECKED D. LYNN	8/10/06
MFG G. Roth	3-13-09	ENG A. Boardman	3-13-09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND PER ANSI Y14.5-1982
XX = ±.01 XXX = ±.005 XXXX = ±.002
ANGLES ±1°30"
ORIGINATOR D. LYNN 6/22/06

maxtec®
SALT LAKE CITY, UTAH 84107

MAX-23/MAX-23C SPECIFICATIONS

SIZE	DWG. NO.	REV
B	R116P05	E

SCALE: 2:1 SHEET 1 OF 1

R116P05 E

PROPRIETARY INFORMATION MAXTEC INC.