

REVISIONS			
REV.	DCO'S RELATED TO THIS DRAWING	DATE	APPROVED
A	DCO #3412 - INITIAL RELEASE	7/20/10	<i>OK</i>

All characteristics are based on conditions at 25°C, 50% RH and 1013 hPa

1. Electrical Connector: 3.5 mm mono jack
2. Measurement Range: 0 to 100 Vol.%
3. Nominal Sensor Life: > 1, 000, 000 Vol.% h
4. Expected Operating Life: < 3 years @ ambient air
5. Output Signal: 3.5 to 7.5 mV @ dry ambient air
6. Response Time t90 : < 12 s
7. Drift: < 1% volume O2 / month @ air
8. Operating Temperature: 0 to 40°C
9. Pressure Range: 750 to 1250 hPa
10. Linearity Error: ≤ 2% @ 100% O2 applied for 5 min
11. Zero Offset Voltage: ≤ 200 μV in 100% N2, applied for 5 min
12. Repeatability: ± 1 % volume O2 @ 100% O2, applied for 5 min
13. Influence of Humidity: -0.03% rel. O2 reading per % RH
14. Recommended Load Resistor: ≥ 10 kOhm
15. Temperature Compensation: NTC
16. Interferences: according to DIN EN 12598 and DIN EN ISO 21647
17. Storage Conditions
  - a. Temperature Range: recommended: 5 to 30°C, maximum: - 20 to 50°C
  - b. Humidity: up to 100% RH
18. Shelf Life (Before installation for use): No greater than 6 months
19. Material in contact with media: PA, PPS, PTFE, stainless steel
20. Warranty Period: 12 months

AUTHORIZED COPY  
AUG 15 2010  
 EFFECTIVE DATE  
 VALID ONLY IF THIS STAMP IS RED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND PER ANSI Y14.5-1982		<b>mextec</b> <sup>®</sup> SALT LAKE CITY, UTAH 84107	
.XX = ±.01 .XXX = ±.005 .XXXX = ±.002	ANGLES ±1°30'	Specification, Max-7L, Oxygen Sensor	
ORIGINATOR A. BOARDMAN	7/20/10	SIZE <b>B</b>	DWG. NO. R109P14
CHECKED <i>[Signature]</i>	7/20/10	REV <b>A</b>	
ENG <i>[Signature]</i>	7/20/10	SCALE: 1:1	SHEET 1 OF 2

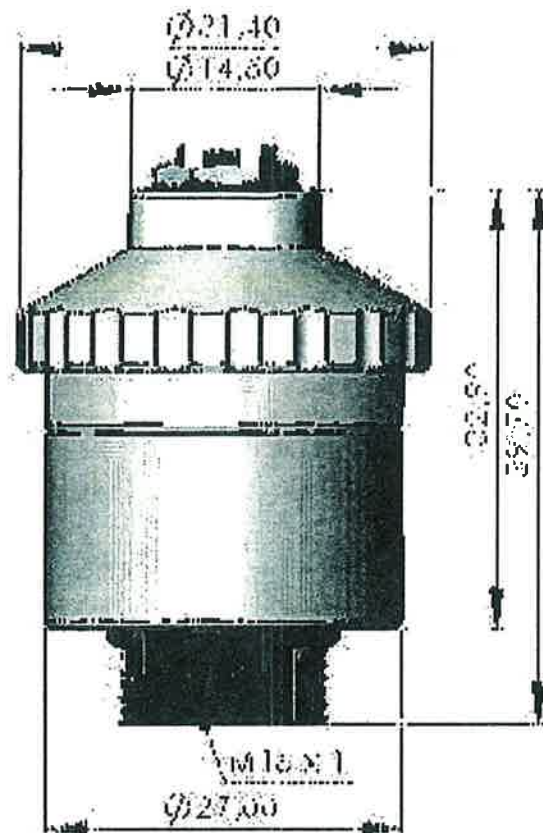


MFG  
*[Signature]*

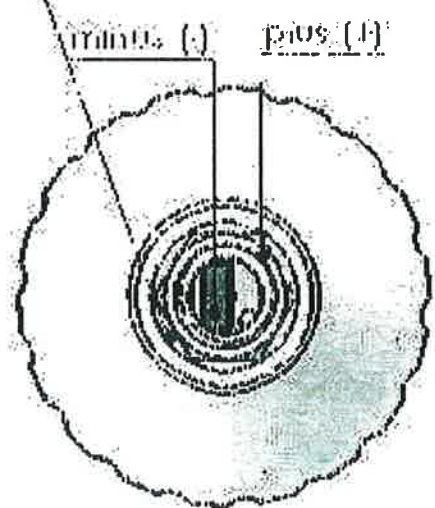
8/16/10  
*[Signature]*

7/20/10  
*[Signature]*

R109P14A



chamfered #41  
 3.6mm / .141"  
 MINIATURE PHONE JACK



Tolerance:  $\pm 0.15$  mm

**AUTHORIZED COPY**  
 AUG 15 2010  
 EFFECTIVE DATE  
 VALID ONLY IF THIS STAMP IS RED

SIZE <b>B</b>	DWG. NO. R109P14	REV <b>A</b>
SCALE: None		SHEET 2 OF 2

R109P14A