

Automotive O2 Sensor Specifications

R17A, R21A & R22A

7 - 13 mV in air at 25° C, sea level (standard)
Other ranges optional

0 to 100% O2

Better than 0.1% O2

+/-1% of full scale at constant temperature
and pressure

36 months at 20.9% O2, 25° C, 50% RH

30 seconds or less 20.9% O2 to
0.1% O2: (actual response of sensor
is < 6 seconds 0 to 90% O2)

0 to 99% RH, non-condensing

0° to 50° C

+/-5% of reading over the operating
range (at thermal equilibrium)

Less than 0.1% O2 response to:

15% CO2, balance N2

7% CO, balance N2

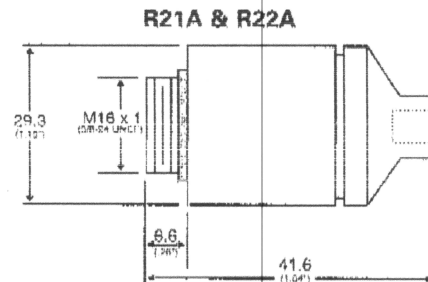
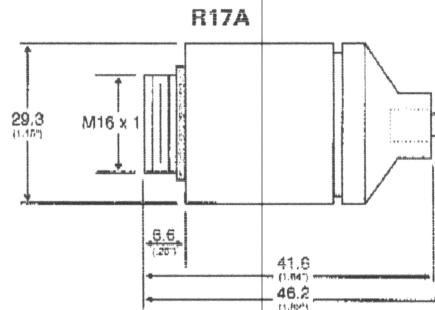
3000 ppm NO, balance N2

3000 ppm HC (Hexane), balance N2

3 Pin Molex (R21A & R22A)

Switchcraft mini phone jack (R17A)

PTB, BAR97, BAR90, CE



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NOTE: Specifications and features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. All applications and features are subject to change without notice.

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