

'R' Series O₂ Sensors

Range includes:

R-17A-LV R-17A, R-21A, R-22A R-17AV, R-21AV, R-22AV R-17AH, R-22AH

As used by most automotive emissions testing equipment manufacturers.



The 'R' series of Oxygen Sensors from Viamed feature special Rhodium plating on the cathode resulting in greater resistance to the effects of CO_2 , increasing the life of the sensor when used in exhaust emissions testing.



'R' Series O₂ Sensors

Sensor models

R-17A-LV, R-17A, R-21A, R-22A, R-17AV, R-21AV, R-22AV, R-17AH, R-22AH

Output range

A-LV Model: 7 - 11.5 mV A Models (R-17A, R-22A): 7 - 13 mV A Model (R-21A): 9 - 14 mV AV Models: 9 - 13 mV AH Models: 10.5 - 13.5 mV

Outputs in air at 25°C, sea level

0 to 100% O₂ Range

Resolution Better than 0.1% O₂

Linearity ± 1% of full scale at constant temperature and

pressure

36 months at 20.9% O₂, 25°C, 50% RH **Expected life**

30 seconds or less 20.9% O₂ to 0.1% O₂: Response time

(actual response of sensor is < 6 seconds 0 to

90% O₂₎

0 - 99% RH, non-condensing **Humidity**

0°C to +50°C Operating temperature range

Temperature compensation ± 5% of reading over operating range

(at thermal equilibrium)

Cross interference

Less than 0.1% O₂ response to: 15% CO₂, balance N₂

7% CO, balance N₂ 3000 ppm NO, balance N₂

3000 ppm Hexane, balance N₂

Connectors 3 pin Molex

(R-21A, R-22A, R-21AV, R-22AV, R-22AH)

Switchcraft mini phone jack

(R-17A-LV, R-17A, R-17AV, R-17AH)

Approvals PTB, BAR90, BAR97, CE

EN60601 (89/336/EEC)

Connecting thread

R-17A-LV, R-17A, R-17AV, R-17AH Metric Thread, M16

R-21A, R-21AV American Thread, 5/8-24 UNEF

R-22A, R-22AV, R-22AH Metric Thread, M16

Manufactured By

Distributed by:



Specification Subject to Change





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