'R' Series O₂ Sensors

Range includes:

R-17A-LV R-17A, R-21A, R-22A R-17AV, 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 CO₂, 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-22AV, R-17AH, R-22AH

Output range

Resolution

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

Outputs in air at 25°C, sea level

Range 0 to 100% O₂

± 1% of full scale at constant temperature and Linearity

pressure

Better than 0.1% O₂

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

Response time 30 seconds or less 20.9% O_2 to 0.1% O_2 : (actual response of sensor is < 6 seconds 0 to

90% O₂₎

Humidity 0 - 99% RH, non-condensing

Operating temperature range 0°C to +50°C

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

3 pin Molex Connectors

> (R-21A, R-22A, R-21AV, 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

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

Manufactured By



Specification Subject to Change

Distributed by:









R-17A 0110117





R-21A 0110121





R-22A 0110122





R-17AV 0110127





R-22AV 0110132





R-17AH 0110137





R-22AH 0110142



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CE

