

automotive

Automotive O₂ Sensors

Range includes:
R-17A-LVG
R-17AVG
R-22AVG

As used by most automotive emissions testing equipment manufacturers.

- PTB-A 18.10 and BAR97 product approval
- Accurate measurement performance
- Exceeds industry requirements
- Long life in the field
- Fast response time
- Consistent linear response
- Stable zero
- Choice of connector and thread options

The Automotive Oxygen Sensors from Viamed provide greater resistance to the effects of CO₂, increasing the life of the sensor when used in exhaust emissions testing.



VIAMED

Automotive O₂ Sensors

Sensor models

R-17A-LVG, R-17AVG, R-22AVG

Output range

R-17A-LVG:	7 - 11.5 mV
R-17AVG	9 - 13 mV
R-22AVG	9 - 13 mV
Outputs in air at 25°C, sea level	



R-17A-LVG
0110157



R-17AVG
0110177



R-22AVG
0110182



Range	0 to 100% O ₂
Resolution	Better than 0.1% O ₂
Repeatability	± 1% of full scale at constant temperature and pressure
Linearity error	< 3% relative
Accuracy	0% to 3.3% oxygen: +/- 0.1% absolute 3.4% to 100% oxygen: +/- 3.0% relative
Expected life	36 months at 20.9% O ₂ , 25°C, 50% RH
Response time	< 5 seconds for 90% of final value. < 40 seconds fall time from 20.95% to 0.1% oxygen, when 100% nitrogen applied
Humidity	0 - 99% RH, non-condensing
Operating temperature range	0°C to +50°C
Temperature compensation	+25 to +40 °C: 3% relative 0 to +50 °C: 8% relative
Cross interference	Less than 0.1% O ₂ response to: 15% CO ₂ balance N ₂ , 10% CO balance N ₂ , 3000 ppm NO balance N ₂ , 3000 ppm C ₃ H ₈ balance N ₂ , 500 ppm H ₂ S balance N ₂ , 500 ppm SO ₂ balance N ₂ , 1000 ppm benzene balance N ₂
Connectors	Switchcraft mini phone jack (R-17A-LVG, R-17AVG) 3 pin Molex (R-22AVG)
Approvals	PTB-A 18.10, BAR97
Connecting thread	American Thread, 5/8-24 UNEF

Specification Subject to Change

Distributed by:



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