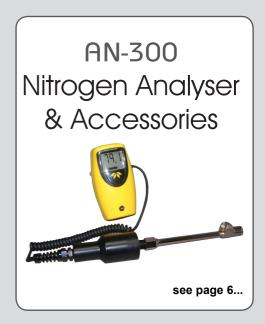
# automotive products









### **Contact Us**



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# 'R' Series Oxygen Sensors

As used by most automotive emissions testing equipment manufacturers.

- PTB, BAR90, BAR97 and C€ product approval
- Accurate measurement performance
- Exceeds industry requirements; able to reach 0.01% (1/10 industry requirement)
- Long life in the field
- Fast response time
- Consistent linear response
- Stable zero
- Choice of connector and thread options
- Custom labels for corporate identification

The 'R' series of Oxygen Sensors from Viamed feature special Rhodium plating on the cathode resulting in greater resistance to the effects of CO<sub>2</sub>, increasing the life of the sensor when used in exhaust emissions testing.

# No minimum order value

8

# no order processing charge

# Viamed's online short-form cross reference can be used to check compatibility:

www.viamed.co.uk/xref

Alternatively, or if your oxygen sensor or equipment is not listed, please contact us and we will check our comprehensive database.



#### Free oxygen sensor disposal service

for the safe disposal of any of your depleted oxygen sensors



#### 0110107 R-17A-LV







0110117 R-17A

TELEDYNE ANALYTICAL INSTRUMENTS



**Output Connector:** Switchcraft

Phone jack, 0.141"

**Sensor Output:** 7 - 11.5 mV

Input thread: Metric Thread, M16 **Output Connector:** Switchcraft Phone jack, 0.141"

**Sensor Output:** 7 - 13 mV

Input thread: Metric Thread, M16



#### 0110121 R-21A





Output Connector: Molex, 3 pin plug

**Sensor Output:** 9 - 14 mV

Input thread: American Thread,

5/8-24 UNEF



#### 0110122 R-22A





Output Connector: Molex, 3 pin plug

**Sensor Output:** 7 - 13 mV

Input thread: Metric Thread, M16



#### 0110127 R-17AV







#### 0110131

R-21AV





**Output Connector:** Switchcraft

Phone jack, 0.141"

**Sensor Output:** 9 - 13 mV

Input thread: Metric Thread, M16 Output Connector: Molex, 3 pin plug

Sensor Output: 9 - 13 mV

Input thread: American Thread.

5/8-24 UNEF



#### **0110132** R-22AV







**0110137** R-17AH

TELEDYNE
ANALYTICAL
INSTRUMENTS



Output Connector: Molex, 3 pin plug

Sensor Output: 9 - 13 mV

**Input thread:** Metric Thread, M16

Output Connector: Switchcraft

Phone jack, 0.141" 10.5 - 13.5 mV

**Sensor Output:** 10.5 - 13.5 mV **Input thread:** Metric Thread, M16



#### **0110142** R-22AH





**0110950** N-33



for use with AN300 Nitrogen Analyser

Output Connector: Molex, 3 pin plug Sensor Output: 10.5 - 13.5 mV Input thread: Metric Thread, M16 Output Connector: Molex, 3 pin plug Sensor Output: 7 - 13 mV

**Range:** 0 - 20.9% O<sub>2</sub>

 $(79.1 - 100\% N_2)$ 

Range	0% to 100% O <sub>2</sub>	
Resolution	Better than 0.1% O <sub>2</sub>	
Linearity	± 1% of full scale at constant temperature and pressure	
Expected life	36 months at 20.9% O <sub>2</sub> , 25°C, 50% R.H.	
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% $O_2$ )	
Humidity	0 - 99% R.H., non-condensing	
Operating temperature	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% $CO_2$ , balance $N_2$ 7% $CO$ , balance $N_2$ 3000 ppm NO, balance $N_2$ 3000 ppm Hexane, balance $N_2$	
Approvals	PTB, BAR90, BAR97, CE, EN60601 (89/336/EEC)	
Warranty	12 months	

# AN-300 Nitrogen Analyser



The AN300 Derived Nitrogen Analyser is a hand-held device designed to analyse the balance of nitrogen in vehicle tyres where nitrogen has been used as an inflation gas.

Nitrogen inflation is becoming increasingly popular for road use, as well as being used extensively in specialist applications such as aircraft and motorsport tyres.

The AN300 offers a low-cost, easy to use nitrogen analysing solution.

#### The AN300 includes the following standard accessories:



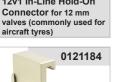




Full scale accuracy	± 2% at constant temperature and pressure	
Response time	90% of final value in less than 10 seconds	
Operating temperature range	0° to +40°C	
Power requirements	3 x AA/LR6/MN1500 1.5V alkaline batteries	
Battery life	2000 hours minimum (12,000 10-minute on/off cycles)	
Sensor type	Teledyne class N-33	
Sensor life	24 months in air	
Sensor cable	Extendable to 3 metres	
Weight	420g	
Dimensions	140 mm (H) x 88 mm (W) x 76 mm (D)	
Approvals	CE	
Connectivity	1/4" NPT threaded sensor holder	
Part Number	AN300 Nitrogen Analyser	0111205
Accessories included:	N-33 Sensor 8v1 Twin Hold-On Connector for 8 mm valves (Commonly used for automotive tyres) 1/4 NPT Thread Convertor 3 x AA/LR6/MN1500 1.5V alkaline batteries	0110950 0121251 0121250
Optional accessories	12v1 In-Line Hold-On Connector for 12 mm valves (Commonly used for aircraft tyres) Universal mounting clamp	0121252 0121200

# Additional Accessories for use with Teledyne AN300 Nitrogen Analyser





'V' Mount Rail Clamp Attaches to most types of medirail 30 mm (H) x 10 mm (D)







Small: 14 - 25 mm clamping width



'V' Mount Pole Clamp Large: 16 - 40 mm clamping width

0121200 Universal

Mounting Clamp
Attaches to the threaded socket at the rear of the unit



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