

# Introduction Training Oxygen Sensors Automotive

Automotive Oxygen Sensors are used in emissions testing equipment when a car has an MOT inspection.

“The MOT test (or simply MOT) is an annual test of vehicle safety, roadworthiness aspects and exhaust emissions required in the United Kingdom for most vehicles over three years old.”<sup>1</sup>



## **Brands Available**

Viamed supply two ranges of Automotive sensors:

### **Branded as Teledyne Analytical Industries**

Opaque plastic casing with colourful background label to designate class.

S/N – 6 digits  
Followed by Letter and Number to designate manufacturer date...

A= January  
B= February  
C=March...

1 = 2021 or 2011  
2 = 2022 or 2012...

Manufactured by Teledyne.



### **Branded as Viamed**

Grey plastic casing with white label, class is designated by label content.

Manufacturing date is shown as



#### **INTERNAL INFORMATION ONLY:**

**These automotive sensors are manufactured by Envitec. Due to different regulations in non-medical manufacturing, we currently do not need to state this on the product.**



<sup>1</sup> [https://en.wikipedia.org/wiki/MOT\\_test](https://en.wikipedia.org/wiki/MOT_test)

## Compatibility

Although we have two ranges, they are compatible to each other.

Automotive Oxygen Sensors Compatibility Cross Reference						
Part number	Type	Output		Part number	Type	Output
0110157	R-17A-LVG	7.0 – 11.5 mV		Compatible with sensor	0110107	R-17A-LV
0110177	R-17AVG	9.0 – 13.0 mV	Compatible with sensors	0110117	R-17A	7.0 – 13.0 mV
				0110127	R-17AV	9.0 – 13.0 mV
				0110137	R-17AH	10.5 – 13.5 mV
0110182	R-22AVG	9.0 – 13.0 mV	Compatible with sensors	0110121	R-21A	7.0 – 13.0 mV
				0110122	R-22A	7.0 – 13.0 mV
				0110131	R-21AV	9.0 – 13.0 mV
				0110132	R-22AV	9.0 – 13.0 mV
				0110142	R-22AH	10.5 – 13.5 mV

From document 37358 in the document index

## Types of Connectors

There are two types of connectors used within these Automotive sensors ranges:



### 3 pin Molex

R-21A (Teledyne)  
R-22A (Teledyne)  
R-22AV (Teledyne)  
R-22AH (Teledyne)  
R-22AVG (Viamed)



### Switchcraft mini phone jack

R-17A-LV (Teledyne)  
R-17A (Teledyne)  
R-17AV (Teledyne)  
R-17AH (Teledyne)  
R-17A-LVG (Viamed)  
R-17AVG (Viamed)

## **OBL (Own Brand Labelling)**



Currently, we can offer companies Own Brand Labelling (OBL). We currently do this for Prosol UK.

OBL is when a product is badged as another company. Allowing the customer to get the direct re-sales rather than Viamed. As we are not required to state the manufacturer currently, it is a great way for customers to retain their sales.

*OBL does require large annual commitment in volume.*

For any enquiries, speak to Steve Nixon or Steve Hardaker for UK or Ryan Swaine for Export.

## **Nitrogen Analysers**

Viamed currently supply a range of Nitrogen Analysers. Although these are available for purchase from Maxtec we are unable to provide a full solution for the end user to use the unit. They would require to have their own collection. Should you get any queries regarding this please direct to the Technical Manager.

We currently have a small number of AN300s in stock which use the N-33 sensor. This item has been discontinued by the supplier so once stocks are depleted this will be discontinued.

## **Pricing**

Pricing can be found on Intrastats, under the “£” symbol. There are also downloadable PDFs against the “£” or in the “i” section.

## **Certifications**

Should you require to find information on what certifications a product has please see the stock screen, “i” icon and find the “Certificates” option. Click this and it will open the document index and all related certificates for that line.

## **Marketing Materials**

Up to date copies of marketing materials such as leaflets, manuals and price lists (or in the £ screen) can be found on the stock pages under the “i” icon.

## **Cross Reference and Selection Guides**

Cross reference can be found in Intrastats, dropdown menu, cross references, select group “Oxygen Sensors”.