

Introduction to Medical Oxygen Sensors Training

Viamed has been providing Oxygen Sensors since 1977. Viamed have the widest range available on the market - we supply OEM and compatible oxygen sensors.

These sensors utilize the latest technology - providing high performance, reliability and accuracy.

Types of Sensors available:

- Standard Lead Sensors:
Traditional sensors made with a lead-anode.
- Lead-free sensors: To comply with potential upcoming RoHS changes, the range of lead-free sensors are available as compatibles to some of the standard sensors we have available.

Viamed Part No.	Original Sensor Description	Envitec Lead-Free Alternative
0110018	Viamed R-17V	0110810 / OOMLF103-1 / 1002534
0110019	Viamed R-17Vi	0110801 / OOMLF102-1 / 1002532
0110020	Viamed R-22Vi	0110800 / OOMLF102 / 1002523
0110021	Viamed R-22MEDV	0110809 / OOMLF103 / 1002533
0110040	Viamed R-30V	0110803 / OOMLF110 / 1002536
0110041	Viamed R-41V	0110806 / OOMLF202-1 / 1002540
0110042	Viamed R-42V	0110808 / OOMLF202-2S / 1002608
0110044	Viamed R-44V	0110807 / OOMLF202-2 / 1002606
0110045	Viamed R-45V	0110802 / OOMLF106 / 1002582
0110049	Viamed R-49V	0110805 / OOMLF202 / 1002539
0110585	Envitec OOM103-1M	0110811 / OOMLF103-1M / 1000090
0110560	Envitec OOM111	0110804 / OOMLF111 / 1002537

Where are Medical Oxygen Sensors used?



Ventilators
e.g. Dräger Babylog



Incubators
e.g. Isolette 8000



Anaesthesia Machines
e.g. GE Aestiva 5
Anaesthesia Machine

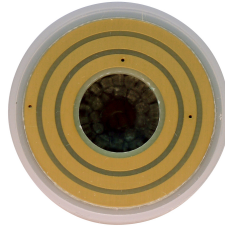


Oxygen Monitors
e.g. Maxtec MaxO2 ME

Connectors



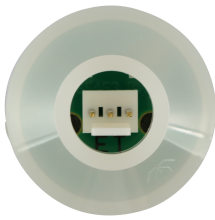
Slip Rings, 2



Slip Rings, 3



Phone jack, 0.141" / 3.5mm



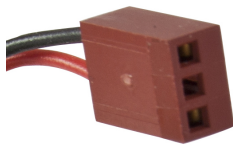
Molex, 3-pin plug



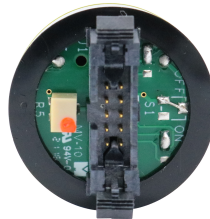
Phone socket



AMP plug, 2 pin



Molex socket, 3-way



DIL, 10 pin



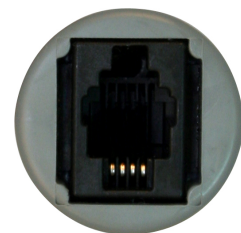
1 mm pin, x 4



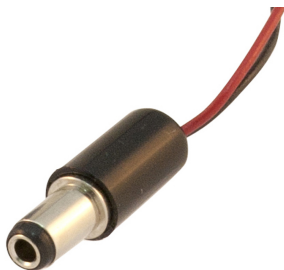
Molex SL, 2 pin



2 pin socket



Phone socket, 4-way



Mini power socket /
DC Connector



Panduit

Manufacturers

Viamed supply as number of manufacturers' sensors, all of which can be found on the full oxygen sensor price list (GBP End User DOCID: 138902).

Manufacturer	Branded as	Prefix	Suffix
Envitec	Envitec	OOM/OOMLF	n/a
Envitec	Viamed	R-3*, R-4*	V
Teledyne	Teledyne	R-*	n/a
Maxtec	Maxtec	MAX-*	n/a
IT Gambert (ITG)	IT Gambert (ITG)	MLF-*	n/a
Maxell/Figaro	Unbranded	KE-* / SK-*	n/a

Shelf Life

Teledyne (Can be found on FAQs)

The useful life of a sensor depends upon concentration of oxygen. If it is left inside the sealed gas barrier bag, its life expectancy should only deteriorate by 1/20th of its in-air life per year. A shelf life of 1-3 years can be expected if sensors are stored correctly. The special gas barrier bag allows only a negligible amount of oxygen or moisture to pass through. It is not recommended that sensors are stored longer than absolutely necessary for warranty purposes. Sensors should retain 90% of their useful life after 24 months in the gas barrier bag.

Viamed / Envitec

Although a statement is not currently available the same as the above, Viamed/Envitec states a sensor life in months on their specification sheets (available against stock under Technical Documents". I have requested that this information is visible on the information page against the stock for easy access.

We recommend that sensors are put into use within the warranty period incase of out of box failures.

Applicable to both, different factors can affect the shelf life and is also in relation to the composition of the sensor and the gas storage bags effectiveness.

Manufacture Dates



Manufactured and 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, Manufactured by Envitec

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

Manufactured by Envitec-Wismar GmbH.

The manufacturing date is shown as



The manufacturing date is shown on the product label and packaging as



Viamed add the manufacture date to the barcode label.

¹ Aware this is a sensor bag for a R-17A-LVG

Pricing

Quantity discounts are available with all medical oxygen sensors. These discounts can only be applied per sensor and cannot be mixed and matched.

Within in the UK postage is free of charge to GBP End Users (DOCID: 124487). See document 124493 for VM3COP20.34 Distributor and Automotive Postage 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.

The instructions for use are in the process of being reviewed due to requirements in sterilisation for UK Hospitals. Please be aware that up-to-date current instructions can be found in the “i” icon.

Cross Reference

Cross reference can be found in Intrastats, dropdown menu, cross references, select group “Oxygen Sensors” or from the following links: Oxygen Sensor Cross Reference: www.viamed.co.uk/xref