

**Fwd: O2 sensor specs**

1 message

**Main Account** <office@viamed.co.uk>  
To: Zoey Teal <zoey.teal@viamed.co.uk>

Wed, Oct 7, 2020 at 12:46 PM

----- Forwarded message -----

From: **Steve Nixon** <office@viamed.co.uk>  
Date: Wed, 7 Oct 2020 at 12:14  
Subject: Fwd: O2 sensor specs  
To: Viamed Ltd. <sales@viamed.co.uk>  
Cc: Main Account <info@viamed.co.uk>

----- Forwarded message -----

From: **Steve Nixon** <steve.nixon@viamed.co.uk>  
Date: Wed, 7 Oct 2020 at 12:11  
Subject: Re: O2 sensor specs  
To: Tim Stanhope <Tim.Stanhope@coopersurgical.com>

Hi Tim

I'll ask the office to send you a pro-forma.

Delivery lead times:

**0110022 R-22MED Ex-Stock**  
**0110800 OOMLF102 Delivery lead time approx. 1 - 2 weeks**

0110020 R-22Vi Ex-Stock  
0110021 R-22MEDV Ex-Stock

Regards

Steve

On Wed, 7 Oct 2020 at 10:20, Tim Stanhope &lt;Tim.Stanhope@coopersurgical.com&gt; wrote:

Hi Steve,

Please could you provide a quote for 10 off R22-MED lead sensors and 10 off OOMLF102 lead-free sensors and also advise lead time.

Thanks

Tim

**Tim Stanhope**

Senior Engineer and Team Leader  
CooperSurgical

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**From:** Denzil Searle <Denzil.Searle@coopersurgical.com>  
**Sent:** 25 September 2020 15:01  
**To:** [steve.nixon@viamed.co.uk](mailto:steve.nixon@viamed.co.uk)  
**Cc:** Tim Stanhope <Tim.Stanhope@coopersurgical.com>  
**Subject:** RE: O2 sensor specs

Hi, Steve,

Thank you. Tina, our team administrator, has been in touch with Sophie about setting up accounts. I will hand over to my colleague Tim at this point as I shall be on holiday for the next two weeks!

Regards,  
Denzil

Denzil Searle

Product Development Manager  
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**From:** Main Account <[viamedinbox@gmail.com](mailto:viamedinbox@gmail.com)> **On Behalf Of** Steve Nixon  
**Sent:** 25 September 2020 13:34  
**To:** Denzil Searle <[Denzil.Searle@coopersurgical.com](mailto:Denzil.Searle@coopersurgical.com)>  
**Subject:** Re: O2 sensor specs

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Hi Denzil

Apologies for not getting the attached to you yesterday.

Regards

Steve

On Mon, 21 Sep 2020 at 16:26, Steve Nixon <[steve.nixon@viamed.co.uk](mailto:steve.nixon@viamed.co.uk)> wrote:

Hi Denzil

As discussed, the sensor looks to be based upon the original R-22 specifications of using a 3 pin Molex connector and having an output of 7 – 13mV.

What is the sensor output range in air that your equipment can accept?

What is the load of your system. Standard sensors typically operate at >10K Ohm, but the newer lead-free sensors have a much higher requirement.

Possible options include:

Model	R-22MED	R-22MEDV	R-22Vi	OOMLF102	MLF-16
Part number	0110022	0110021	0110020	0110800	0110704
Connection	3 pin Molex	3 pin Molex	3 pin Molex	3 pin Molex	3 pin Molex
Output	7 – 13 mV	9 – 13 mV	9 – 14 mV	9 – 14 mV	9 – 13 mV
Response time	< 6 s	< 5 s	<12 s	< 12 s	< 7 s
Sensor life in air	36 months	36 months	36 months	< 3 years	4 years

	500,000 % oxygen hours	500,000 % oxygen hours	1,000,000 % oxygen hours		2,000,000 % oxygen hours
<b>Type</b>	Lead anode	Lead anode	Lead anode	Lead-free	Lead-free
<b>Recommended load</b>	>10K Ohm	>10K Ohm	>10K Ohm	>100K Ohm	> 1M Ohm
<b>Warranty</b>	12 months	15 months	12 months	12 months	12 months
<b>List price</b>	£42.00	£42.00	£42.00	£55.00	£96.00
<b>Typical application</b>	Ventilators, Anaesthesia Systems.	Ventilators, Anaesthesia Systems.	Neonatal incubators. Slower response time, but longer life.	Lead-free version of R-22Vi	

NOTE: Increased operating temperature reduces the sensor life.

Regards

Steve

On Mon, 21 Sep 2020 at 08:17, Denzil Searle <[Denzil.Searle@coopersurgical.com](mailto:Denzil.Searle@coopersurgical.com)> wrote:

Hi, Steve,

Thanks for the call on Friday. I emailed straight afterwards, but made a typo in the address. I have attached the spec we have on the current sensor, and look forward to discussing it.

Regards,  
Denzil

***Due to the COVID-19 situation, I am working mainly from home. I am available for contact on email, Microsoft Teams (internally to CooperSurgical) and on my mobile +44 7583 099929***

## Denzil Searle

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Steve

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