

R-49V Market Evaluation

OEM	OEM Part Number	Type	Pricing/Notes
Air Liquide Healthcare	YR049700	sensor	
Analytical Industries	PSR-11-917-M	sensor	\$95.00 https://www.outfrontmedical.com/analytical-industries-oxygen-sensor-psr-11-917-m/ \$93.47 https://www.partssource.com/parts/analytical-industries-inc-aii/psr11917m?pspn=ps49lkubvaw \$80.00 https://www.tristatebiomedical.com/store/p129/AII_PSR-11-917-M_Oxygen_Sensors.html \$99.00 https://fobi.us/product/fob-psr-11-917-m/ \$110.00 http://www.andscoservices.com/psr-11-917-m-oxygen-sensor-maxtec-max-16-max-12a/ \$130.34 https://www.radwell.co.uk/en-GB/Buy/ANALYTICAL%20INDUSTRIES/ANALYTICAL%20INDUSTRIES/PSR-11-917-M/?redirect=true \$115.00 https://www.pacmedcables.com/Oxygen-Sensor-OEM-PSR-11-917-M-p/psr-11-917-m.htm / https://avantehs.com/s/15121
Asmuth	AS422	sensor	€50.68 https://www.asmuth-gmbh.de/tl_files/asmuth/Katalogdaten/Beatmung.pdf
Cirus	OS1	sensor	€28.00 https://www.biometriccables.in/collections/cirus/products/oxygen-sensor-os1
Envitec	OOM202 / 01-00-0047	sensor	€52.00 http://vero-medical.com/prodotto/oom202-envitec-o2-sensor/ £38.01 + delivery (not sold to UK) https://www.aliexpress.com/item/1005001525586027.html?aff_fcid=bdf286f6adb74570a745eca51aa14062-1625041934162-09963-AENNgH&aff_fsk=AENNgH&pvid=c5a9acc5-6e45-40fb-bf92-17913518790d&aff_platform=portals-tool&sk=AENNgH&aff_trace_key=bdf286f6adb74570a745eca51aa14062-1625041934162-09963-AENNgH&rmsg=do_not_replacement&scm=1007.23534.124.000.0&dp=mindymebradzuidemaase.tumblr.com&terminal_id=0d88c05d86864e04b10bdc53e644f129
Maxtec	MAX-12 / R109P45	sensor	\$100 https://shop.maxtec.com/compatible-oxygen-sensor/yr049700/taema/r109p45/ \$121.99 https://tri-anim.com/oxygen-sensor-max-12-replacement-for-siemens-300-and-900-series-pharm-30644-3711.aspx?search=203-R109P45 \$134.00 http://www.medicalecart.com/maxtec-max-12-replacement-oxygen-sensor-r109p45/ \$112.00 https://www.sharn.com/o2-monitoring/p/OxygenSensors/
Maxtec	MAX-16HT / R114P73	sensor	\$158.00 https://shop.maxtec.com/product/biomed-and-service/fio2/medical-oxygen-sensor/max-16ht/ \$105.00 https://www.bemesonline.com/maxtec-max-16ht-r114p73/ \$164.99 https://www.tri-anim.com/oxygen-sensor-max-16ht-replacement-for-versamed-vent-pharm-30637-3711.aspx
Med Graphics / Medizintechnik Kranz	M-04	sensor	\$85.59 https://nrc-international.com/en/product/medicine-oxygen-sensor-m-04/
ProAct	OOM202	sensor	£31.72 (+ £9.60 delivery UK and VAT)

			https://www.proactmedical.co.uk/images/content/PROACT2021_lo_march.pdf
	G0-040 / GO-040 / GO-04	sensor	Not stated in cross reference but a number of references online for this also being a compatible. \$76.00 https://www.cablesandsensors.com/blogs/products/yr049700-taema-compatible-o2-cell-for-hamilton-medical \$282.00 https://www.ninelife.eu/products/replacement-for-taema-yr049700-by-technical-precision \$76.00 https://www.gmedone.com/product/compatible-o2-cell-for-hamilton-medical-g0-040/
R&D MEDIQ	MOEM 0362	sensor	Not stated in cross reference but a number of references show as same as above. https://www.rdmediq.com.br/english/pro_0362/
Sensoronics	SS-12A	sensor	Not stated in cross reference but a number of references show as same as above. https://www.sensoronics.com/products/ss-12a-replaces-teledyne-r22-msa-472062
Anvisa Process	NQA-04	sensor	Not stated in cross reference but a number of references show as same as above. https://acessoriosmedicos.com.br/Produto-1-CELULAS-DE-OXIGENIO-SENSOR-DE-OXIGENIO-NQA-04-PROCESSO-ANVISA-253512684402014-83-versao-975-976.aspx
NRC Nitrox & Rebreather Company	M-01	sensor	Not stated in cross reference but a number of references show as same as above. \$85.86 https://nrc-international.com/en/product/medical-oxygen-sensor-m-01/
NRC Nitrox & Rebreather Company	M-02	sensor	Not stated in cross reference but a number of references show as same as above. \$110.50 https://nrc-international.com/en/product/medical-oxygen-sensor-m-02/

Equipment

Aeonmed VG70 ventilators (Ortus Technology Ltd) have been widely distributed to UK intensive care units to increase mechanical ventilation capacity in response to the COVID-19 pandemic (<https://associationofanaesthetists-publications.onlinelibrary.wiley.com/doi/pdf/10.1111/anae.15333>)

Calderdale and Huddersfield purchased 3 ICU ventilators (Hamilton S1) from Hamilton Medical UK Ltd on 11-09-20
(https://www.cht.nhs.uk/fileadmin/site_setup/contentUploads/About_us/Publications/Spend_Over_25k/2020/06_September_2020.xlsx).

Lancashire Teaching Hospitals are adopting the latest technology through a staggered purchase of 30 Hamilton S1 ventilators (6 already in active use). (25th November 2020 - <https://www.lancsteachinghospitals.nhs.uk/critical-care-service/>)

Epsom St Heliers have Servo I Ventilators installed in their ITU/Intensive Care Units. Drager Carina Ventilators installed in their HDU. (<https://www.epsom-sthelier.nhs.uk/download.cfm?doc=docm93ijm4n5962.pdf&ver=13097>)

Bristol Royal Infirmary Intensive Care Unit have Drager Evita V500 (Infinity) due for replacement in 2023. Evita 300 for replacement in 2024, Hamilton Medical MR1 for replacement in 2026, Evita V500 for replacement in 2026 and B&D Electrical Nippy

Clearway for replacement in 2027. Rule of thumb seems to be they are allowed in service for 10 years then are replaced. Their paediatric intensive care unit has Maquet Servo U ventilators due for replacement in 2024. They also have Respironics V60 ventilators for replacement in 2027. In the neonatal intensive care unit they have Babylog VN500 for replacement in 2022, Acutronic Fabian & NCPAP Evolution/Fabian HFO for replacement by 2023.

(http://www.uhbristol.nhs.uk/media/3095185/17-408_11.07.2017_attachment_combined.pdf)