

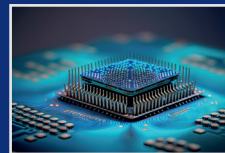
Expert Solutions

A **NEW** era of gas analysis

See our range of analysis solutions to support a healthier planet



Discover the analyzers that are making your processes more **productive**



Analysis that **empowers**

SERVOMEX 
a spectris company



Ready to face a **NEW** era of gas analysis

Welcome to our new look! You may have noticed that things are changing at Servomex, with a rebrand that better reflects our role as a company that empowers its customers.

In this new issue of our Expert Solutions (ES) magazine, we take a closer look at what Servomex stands for, and how our brand identity supports that message. We explain what's changed – and, equally importantly, what hasn't.

As you know, Servomex has always empowered its customers – to achieve better productivity, to be cleaner and more efficient, to operate more safely and with demonstrably lower emissions.

That's still what we do, but what has changed in recent years is the level of importance the industry has placed on those things we already do.

Over the next few pages, you can see how we're prepared to meet that change in emphasis, with a clearer explanation of exactly what we have to offer.

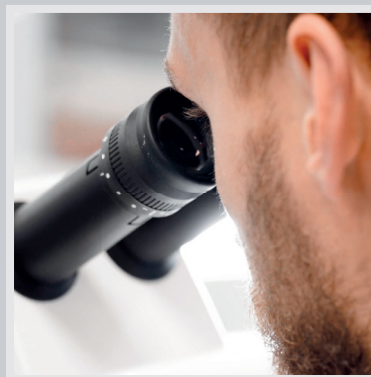
You can also find out more about the products that empower all our customers to do more, and discover why we're driven by our ongoing commitment to sustainability.

And if you want to ask anything about Servomex and what we stand for, get in touch with a member of our team at servomex.com/contact

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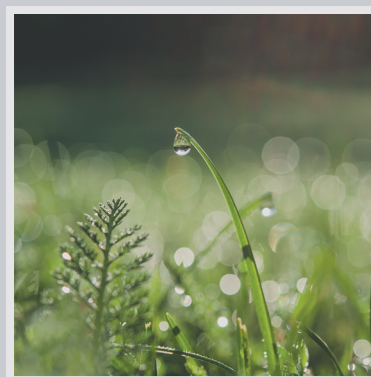
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Creating a **measurable** impact

Servomex is committed to decarbonization.

Servomex is committed to decarbonization. Our cutting-edge gas cleaning, carbon capture and emissions monitoring applications can reduce and eliminate CO₂, producing cleaner air for all.

With over 70 years of experience and knowledge, Servomex is the global expert in accurate and reliable gas analysis. We have a proven track record in sustainability to help support your innovations.

- Achieve combustion efficiency
- Meet carbon reduction targets
- Future proof your plant and processes

Discover a cleaner world: servomex.com

Reliable gas
analysis that
empowers your
process



Analysis that empowers

That's the message that sums up Servomex, and the statement that underpins what we stand for, now and in the future.

Our goal remains the same as it always was: to enable a better world: **one that's cleaner, healthier, and more productive.**

Positive change has never been more important to our industry, and we're committed to helping make the world a better place by helping you, our customers, to improve your operations.

Through our innovative gas analysis solutions, we empower you to endlessly enhance your processes, to solve your existing challenges, and to help you seize new opportunities. We make gas analysis products that measure accurately and reliably. These measurements allow you to control your processes more precisely. So, for example, you can reduce the emissions created in that process, create a more pure product, operate more safely, or even a combination of these benefits.

The more accurate we are, the better you are able to do this.

That's why the story of Servomex is about empowering our customers: we provide the solutions you need to do things better.

Learn more about Servomex
and watch our new video:
[Servomex.com/about-us](https://www.servomex.com/about-us)



We supply products that **empower** the change you need



We analyze change, so you can make it happen. We help businesses worldwide achieve a new level of accuracy in their operations. Our expertise empowers you to make more informed decisions, transform your processes, and make a meaningful impact.

We believe that together we can create a cleaner, healthier, and more productive world. Our brand is built on the solid foundations of what we do and how we do it.

For example, our clean air range of gas analysis products supports you in your combustion efficiency, gas cleaning, carbon capture and emissions monitoring applications. Our products and expertise make a positive difference to the world, and enable you to do the same.

We give our customers the capability to generate power with fewer emissions, manufacture

chemicals more sustainably, create carbon-free fuels such as hydrogen, and improve air quality for everyone.

Our solutions enable your plant to be more productive, finding new and better ways to help you overcome your challenges, enabling better process efficiency and allowing you to create technologies that transform your industry.

Our systems help to produce medical gases and our sensors are crucial to critical-care ventilator operation, supporting healthcare with safe and reliable measurements that meet exacting regulatory requirements.

And our products help to reduce the risk to the people working in the industries we serve, the equipment they use, and the wider community around them. Protecting with precision, our analyzers support safety with reliable and accurate gas measurements that mean you can control your processes more closely, and provide a warning when potential dangers arise.





We give our customers the capability to generate power with fewer emissions, manufacture chemicals more sustainably, create carbon-free fuels such as hydrogen, and improve air quality for everyone.

Even though the principles behind sensor technologies remain the same, we continue to innovate, finding new ways to further enhance the accuracy of our software, the reliability of our hardware, and the digital communications options available.

That's why you can be confident that the systems you buy will meet the challenges you will face in the years and decades ahead, not just right now. Because we don't only empower change: we embrace it, to the benefit of us all.

Find out more at: servomex.com/contact

We're creating a **cleaner** world



Servomex is committed to sustainability. Our gas analysis solutions help you to make your processes cleaner, and support your efforts to develop the technologies that will power a brighter future.

How we achieve this

- We drive decarbonization – the reduction or elimination of CO₂ emissions – by supporting customers with their combustion efficiency, gas cleaning, carbon capture and emissions monitoring applications
- We have pledged to achieve carbon net-zero across our organization by 2030 and throughout our value chain by 2040
- We've been awarded an EcoVadis Gold medal for sustainability in 2022 & 2023 - this puts us in the top 5% of manufacturers for two years in a row.

We empower you to:

- Generate low-emission power
- Manufacture more sustainably
- Create carbon-free fuels, such as hydrogen
- Improve air quality for everyone

Our solutions for a cleaner world



SERVOTOUGH FluegasExact 2700

Designed to measure O₂ and CO_e in flue gases for improved combustion efficiency and reduced emissions, this analyzer meets the most demanding needs of combustion efficiency applications.



SERVOTOUGH Laser 3 Plus Combustion

Ready for fast, accurate and responsive measurements in combustion and process control, this Tunable Diode Laser (TDL) analyzer offers unmatched installation flexibility plus cost and performance benefits.



SERVOPRO 4900 Multigas

Specifically designed for the Continuous Emissions Monitoring (CEMS) of flue gas, this high-performance multi-gas analyzer can deliver up to four simultaneous gas stream measurements.



SERVOTOUGH SpectraExact 2500

This rugged, industry-leading photometric analyzer delivers reliable, accurate and stable real-time online process analysis capability for corrosive, toxic and flammable sample streams.



SERVOTOUGH Laser 3 Plus Environmental

Delivering exceptional performance benefits for clean air processes, this TDL analyzer is ideal for monitoring ammonia slip during NO_x reduction processes, and complies with the latest US EPA PS18 requirements for continuous emissions monitoring.

See all our clean air solutions at: servomex.com/clean-air-product-range/

Measuring oxygen in membrane-free water electrolyzers

As one of the world's most versatile natural gases, hydrogen plays a vital role in the global push to develop clean energy solutions for the future.

Electrolyzers, which use electricity to split water into hydrogen and oxygen, are a critical technology for producing low-emission hydrogen. Typically, an electrolyzer utilises a membrane to separate the hydrogen and oxygen.

Green hydrogen technology and manufacturing group CPH2 has developed a unique technology that uses cryogenic separation to deliver pure hydrogen and pure oxygen. The 1MW Membrane-Free Electrolyzer technology delivers several benefits, including a faster manufacturing process, longer durability (increasing reliability), and the absence of precious metals such as platinum, making it more cost-effective and sustainable.

CPH2 electrolyzers are used to decarbonize energy systems, replacing diesel backup systems and using excess wind and solar energy to generate hydrogen to power equipment, machinery and transportation – such as forklift trucks, buses, and airport ground support equipment.



SERVOTOUGH OxyExact 2200

The high-specification OxyExact 2200 O₂ analyzer offers an unrivalled combination of precision, flexibility, and performance for optimum process and safety control.

Its class-leading specification for measuring oxygen in hydrogen makes it the ideal choice for use in electrolyzers, as well as other demanding oxygen process monitoring, enhancing the efficiency and safety processes of the CPH2 technology.

The OxyExact 2200 is approved for the measurement of oxygen, including enriched oxygen (>21%), in hydrogen in hazardous areas, and can be configured with a hazardous area control unit with up to six transmitters.

Find out more at:
servomex.com/oxyexact2200

Supporting a cleaner and sustainable future

Servomex is committed to creating a cleaner world by developing advanced gas analysis technologies and solutions to help future-proof industry applications.

These innovative technologies for combustion efficiency, gas cleaning, carbon capture and emissions monitoring will help drive decarbonization, and help customers to make their processes cleaner, healthier and more sustainable.

Find out more at:
servomex.com/oxyexact2200



Reliability, redefined



Liquid water measurements. Solid reliability.

Designed for hazardous areas, the rugged **SERVOTOUGH SpectraExact 2500F** brings a new level of precision to liquid water measurements.

- Flexible, real-time, on-line process analysis
- Accurate and reliable ppm to percent water measurements in solvents
- Handles corrosive, toxic, and flammable streams
- User-friendly design and minimal maintenance

Measure water in solvents to the next level: servomex.com

We're ensuring a healthier world



We protect with precision.
Our gas analysis systems
ensure that you can keep
your people, places, and
processes safe even in
hazardous conditions
with accurate and
reliable measurements.

How we achieve this

- We keep our customers in control with accurate and reliable gas measurements
- We help you to comply with stringent regulations, protecting your people and the environment
- Our secure, scalable systems keep your operations running from end to end
- Many of our analyzers and Hummingbird sensors are used in the medical industry, where precision is life-critical

We empower you to:

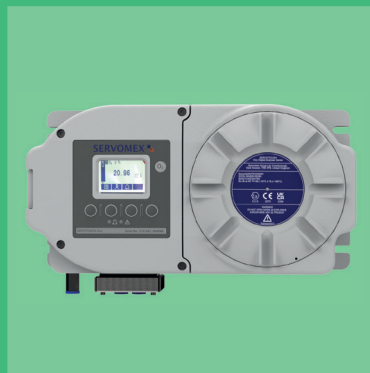
- Make your processes, plants, and workplaces safer
- Create high-purity medical oxygen
- Ensure better healthcare
- Meet regulatory requirements for medical gases

Our solutions for a healthier world



SERVOPRO MultiExact 4100

The highly adaptable, high-performance multi-gas analyzer is designed to provide up to four simultaneous gas stream measurements and is specifically designed to address the needs of industrial and medical gas manufacturers.



SERVOTOUGH Oxy 1900

Offering industry-standard features alongside revolutionary, value-added options, this Paramagnetic gas analyzer sets new standards of flexibility, stability and reliability and is ideal for safety monitoring applications.



SERVOTOUGH OxyExact 2200

This high-specification analyzer offers an unrivalled combination of precision, flexibility and performance for optimum process and safety control, and can be configured with a hazardous area control unit with up to six transmitters.



Hummingbird sensor range

Our sensor technology is designed to meet the needs of industrial and medical OEM partners, with innovative, reliable products that are manufactured using cutting-edge techniques, bringing easy integration and superior performance to your devices.

Find out more:
hummingbirdsensing.com

Protect with precision: servomex.com/gas-analyzers

Stay up to date with Servomex guides



Gas Guide

Issue 4

The most comprehensive guide to Servomex gas analysis solutions



Product Guide

Issue 8

Find the best gas analyzer for your process needs



Service Guide

Issue 3

Discover our complete range of service products

Transform your processes:
learn more at
servomex.com/resources/

Get crystal clear insights with the **Gen 7 DF-500** series

See the difference the Gen 7 DF-500 Series can make to quality control.

These NanoTrace Oxygen Analyzers offer the lowest production detection limits for ultra-high-purity (UHP) gases, powered by our industry-leading coulometric sensor. You can monitor readings with a new larger display. Plus, troubleshoot faster with multi-coloured status indicators, run chart, and data download capabilities.

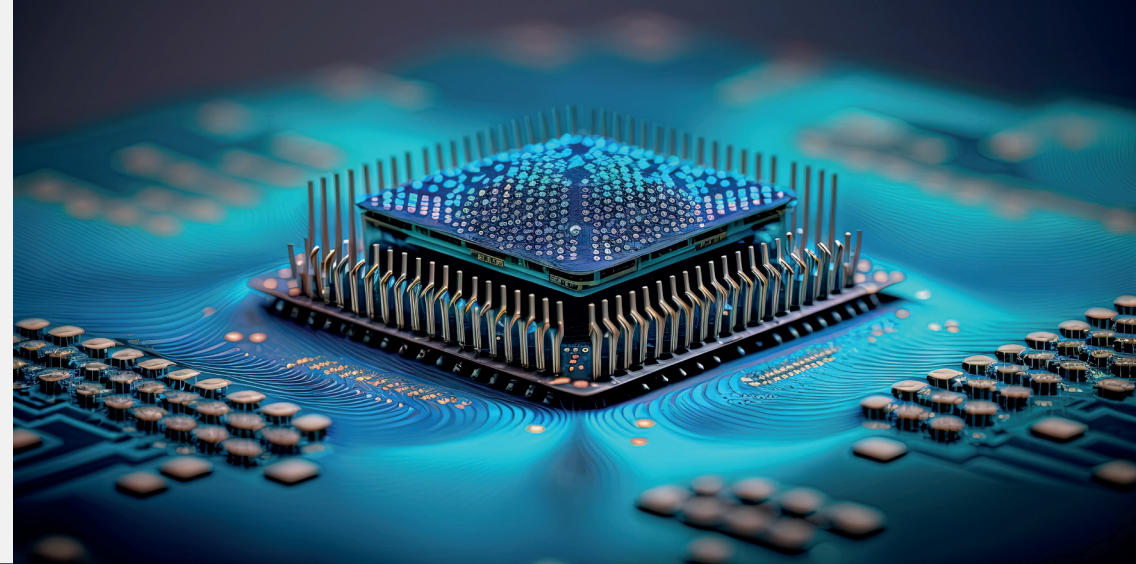
- Industry-leading sensor
- Larger display & keypad
- New software features
- Backward compatibility

**Gen-7
COMING
2024**



Learn more at: servomex.com/servopro-df-500-series-product-range/

We're innovating a more productive world



We relentlessly refine.
We're always working on
new and better ways
to meet your business
needs, so you can work
more efficiently and develop
transformative technologies.

How we achieve this

- We offer one of the widest ranges of gas analysis solutions to better meet your process requirements and drive greater efficiency
- Building on 70 years of expertise, we invest heavily in research and innovating for the future
- We provide world-class service support to keep customers' operations running smoothly
- Every team member has opportunities to learn and develop new skills
- We've won the Queen's Awards for Enterprise: Innovation 2016 and International Trade 2022

We empower you to:

- Develop faster, leading-edge technology
- Make more efficient use of resources
- Improve your laboratory research
- Create higher-quality chemical products



Our solutions for a more productive world



SERVOPRO Gen-7 NanoTrace Series DF-500

These ultra-trace oxygen analyzers offer the lowest production detection limits for ultra-high-purity (UHP) gases, powered by our industry-leading Coulometric sensor. The latest Gen-7 upgrade adds even greater reliability, and ease-of-use improvements including a larger display and faster troubleshooting.



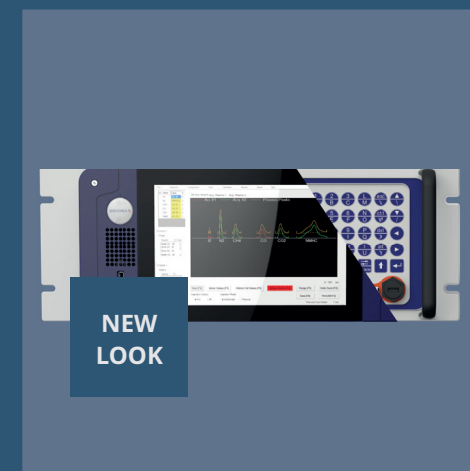
SERVOPRO Gen-7 NanoTrace Series DF-700

Bringing even greater reliability to your UHP gas analysis, these dependable TDL analyzers deliver trace and ultra-trace measurements of moisture – or moisture and oxygen – with an all-digital design and solid-state storage. Ideal for semiconductor applications, they deliver industry-leading detection limits for impurities.



SERVOPRO MonoExact DF310E

Designed specifically for accurate measurements of oxygen (O_2) in industrial gas applications, the MonoExact DF310E is a next-generation digital O_2 analyzer that combines precision trace-level measurement with a icon-driven Guided User Interface (GUI) and advanced digital communications. Available in standard variant and user-configured options.



SERVOPRO Chroma

Offering a non-depleting Plasma Emission Detector (PED), Flame Ionization Detector (FID) and Thermal Conductivity Detector (TCD), the Chroma analyzer is one of the most versatile gas analyzers for trace gas measurement available. Most applications will be satisfied by a single 4U rack analyzer configuration, making the Chroma a compact, cost-effective solution.

Work more efficiently: servomex.com/gas-analyzers

Servomex is committed to sustainability



Sustainability remains at the heart of what we do and how we operate our business. Our entire focus is on empowering and enabling industrial change, mainly by helping customers to make their industrial processes cleaner and more efficient.

Our efforts are focused on four key UN Sustainable Development Goals: affordable and clean energy; industry, innovation, and infrastructure; responsible consumption and production; and climate action.

We also have an impact in wider areas, including good health and wellbeing, and clean water and sanitation, while our ethical business operations around the world deliver positive results for goals such as no poverty, gender equality, and reduced inequality.



The products we design, develop, and manufacture make industries cleaner and more efficient.

Our focus is not just on reducing emissions, but on introducing a sustainable approach to our people and operations.

This commitment is supported at the corporate level, ensuring our actions have the full weight of the Spectris leadership team behind them.

We have partnered with leading expert organizations such as EcoAct and EcoVadis to validate the effectiveness and veracity of the activities within our sustainability program. In addition, our Net Zero targets have been validated by the Science Based Targets initiative (SBTi).

As part of a Spectris Group-wide process, we have undertaken a climate risk assessment scenario analysis as required by the Taskforce for Climate-related Financial Disclosure (TCFD) to understand the risks and opportunities present in our business related to climate change.

Like Servomex, most of our customers have sustainability front and centre of their strategies. What we are doing is aligning with them to help them achieve their sustainability goals, leading the way in empowering sustainability for industries around the world.



Learn more at: servomex.com/sustainability-at-servomex/

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on your phone or
smart device by
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QR code.



2. VISIT >>>

servomex.com/signup

When you sign up to receive Servomex emails, you'll be the first to know about our new products. Take control of your preferences and make sure you get all the news that's relevant to you.

Analysis that **empowers**

SERVOMEX 
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