

ISSUE
2

SERVOMEX SERVICE GUIDE

THE SERVOMEX SERVICE NETWORK THAT
SUPPORTS GLOBAL CUSTOMER PROCESSES



SERVOMEX.COM

SERVOMEX 
a spectris company

WELCOME TO ISSUE 2 OF OUR SERVICE PRODUCT GUIDE

YOUR GUIDE TO THE SERVOMEX SERVICE NETWORK THAT SUPPORTS GLOBAL CUSTOMER PROCESSES

GLOBAL EXPERTISE DELIVERED LOCALLY



ANDY COWAN
PRESIDENT OF SERVOMEX

Service plays an essential role in Servomex's gas analysis expertise. Our analyzer systems are designed to meet the precise process requirements of every customer, and the same is true of our service support.

We supply an extensive range of service products, backed by deep applications knowledge, that support the optimum performance of our analyzers and systems. Our global network of engineers delivers the expertise your product needs, wherever it's needed.

We believe that service should cover the entire life of your analyzer. That's why our experts can be present from day one, commissioning, setting up, and calibrating your new instrument for optimum performance.

Commissioning gives your analyzer the best start, while a planned maintenance schedule helps to ensure that it continues to operate efficiently and accurately throughout its life cycle. We also provide easy access to the spares you need, with rapid dispatch and expert advice

on what to keep stocked, for minimal downtime.

Servomex operates regional service centers around the world – including our latest facility in Korea – allowing our experienced engineers to provide a rapid response, covering all maintenance needs from routine servicing to emergency repairs or replacement.

We can also deliver training for your staff to ensure you get the most from your gas analyzer, and provide remote support options when expert help is required.

You can find out more about our service products, and how they support your analyzers, in this new edition of our Service Product Guide. It's a comprehensive guide to keeping your process running at top performance, including recommended service options for each of our analyzers.

See how the Servomex Service Network can be tailored to your unique needs, and get in touch with our team if you want to learn more.

Find out more about our customized service support at servomex.com/service

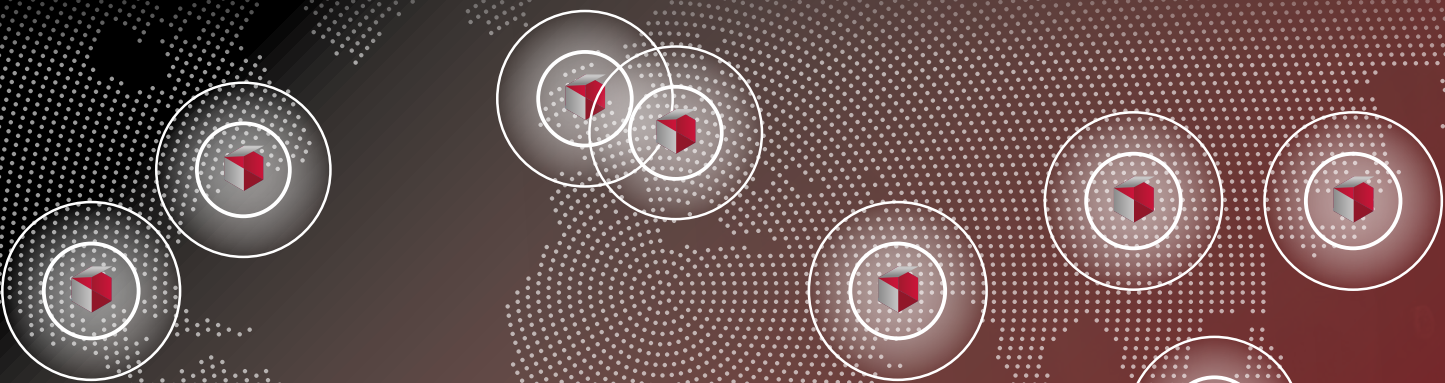


MARK CALVERT
GLOBAL HEAD OF SERVICE

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Mark leads our global service teams to meet customer needs and exceed their expectations, promoting best practice and delivering the same high standards of service across the world. He is responsible for the co-ordination of our service teams around the globe, ensuring that customer support and service delivery are provided quickly and effectively, promoting collaborative working and an ever-stronger, customer-focused approach.

WHEREVER YOU ARE, WE'RE READY TO HELP, WITH REMOTE OR ON-SITE SUPPORT OVERSEEN BY OUR REGIONAL LEADERS:



- Houston
- Boston
- UK
- Netherlands
- Singapore
- Abu Dhabi
- China
- South Korea

Contact our service team today: servomex.com/contact/service

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OUR SERVICE PRODUCT RANGE

Whatever your service needs, Servomex Service Network has the solution. Through our network of mobile engineers and service centers, we deliver Servomex expertise directly to your plant.

Find out more at: servomex.com/service



Service Plans

COMPLETE SUPPORT FOR YOUR ANALYZER

For maximum peace of mind, a service plan keeps your analyzer operating at optimum performance from day one, with the full expertise and resources of Servomex behind it.

Backed by on-site and remote support from our highly trained service engineers, application specialists, and scientists, a service plan delivers the highest possible measurement availability from your analyzer, ensuring it provides trusted gas analysis whenever needed.

Service plans are expertly customized to suit individual customer needs, from commissioning to routine preventative maintenance, and are designed to keep your process running, with minimal unplanned downtime.



FEATURES AND BENEFITS

- Customized services to match your process
- Full access to Servomex's expertise and resources
- On-site and remote support
- A cost-effective package



Training

SHARING OUR GAS ANALYSIS EXPERTISE

Providing your on-site user and maintenance teams with full training on the relevant analyzers supports long-term reliability and maximum performance.

Our customized training programs ensure teams can get the most from their equipment. They range from basic user training through to providing an advanced understanding of the measurement technology used, or diagnostic and maintenance capabilities.

Courses are run by experienced, highly qualified specialists, who review specific requirements to create a program that combines classroom and hands-on workshops at the customer's preferred location.



FEATURES AND BENEFITS

- In-depth systems training
- Covers all key Servomex analyzers
- Presented by Servomex experts
- Given at our global training centers or on-site



Factory Acceptance Testing

ENSURE YOUR SYSTEM MEETS SPECIFICATIONS

For maximum peace of mind, a Factory Acceptance Test (FAT) ensures your gas analysis system will arrive ready to operate according to your exact specifications.

Performed at one of our regional service centers, in collaboration with your own staff, the FAT is an extensive testing process that allows any issues to be identified and corrected prior to shipping to your site.

Designed to cover system builds, it is also beneficial for large-scale analyzer projects. A successful FAT means that when the system arrives on your site, it can be installed and ready to operate quickly.



FEATURES AND BENEFITS

- The system performance you're expecting
- Ready to deliver the results you need from day one
- A chance to resolve unforeseen issues
- Opportunity to consult with our expert systems team



Spares

MAINTAIN YOUR PROCESS UPTIME

Access to the right spare parts and consumables at the right time is critical to maintaining plant operations and safeguarding productivity.

With our global sales and distribution network, Servomex can supply high-quality, authorized parts wherever and whenever you need them. Every Servomex spare part is precision-made to the highest specifications, with a no-compromise approach to quality.

Comprehensive factory-authorized spares packages are available for our analyzers, each customized to exact requirements, with all the parts needed for quick and easy component replacement. Our global team is on hand to assist in selecting the right part for your analyzer, further reducing downtime.



FEATURES AND BENEFITS

- Factory-authorized replacement parts
- Fully tested spares kits
- Ready for fast shipping
- Recommended reserve packs available



Commissioning

OPTIMUM PERFORMANCE FROM THE OUTSET

Correctly installing and configuring your gas analyzer ensures it delivers the expected performance from day one, meeting safety, compliance, and operational needs. Commissioning makes certain that systems and components are designed, installed, tested, operated, and maintained according to requirements.

Our highly trained team provides a fast, seamless, and comprehensive commissioning service that delivers optimum performance and peace of mind.

Servomex commissioning ensures the analyzer meets process requirements, avoiding the dangers of compromised plant safety, and qualifies the analyzer for an additional six-month warranty period.



FEATURES AND BENEFITS

- Fast, seamless commissioning service
- Trained Servomex engineers
- Ensures optimum performance
- Qualifies analyzers for six months additional warranty



Service Agreements

INCREASED UPTIME AND PEACE OF MIND

With a Servomex service agreement, you get the peace of mind that comes from proactive analyzer maintenance and an ongoing expert partnership. Regular servicing adds real value to gas analysis systems, improving reliability, increasing uptime, and optimizing processes.

We offer a wide range of maintenance packages to meet individual customer requirements, providing guaranteed service levels with numerous benefits, including discounts on spare parts, priority response times, and emergency call-outs to resolve issues quickly.

Our unrivaled product knowledge allows our expert engineers to deliver the best possible support, reducing the risk of costly breakdowns and optimizing your service budget.



FEATURES AND BENEFITS

- Proactive maintenance
- Ongoing partnership
- Pre-structured
- Wide range of options

OUR SERVICE PRODUCT RANGE

Whatever your service needs, Servomex Service Network has the solution. Through our network of mobile engineers and service centers, we deliver Servomex expertise directly to your plant.

Find out more at: servomex.com/service

On-site Service Support

OUR EXPERTISE DELIVERED DIRECT TO YOU

From urgent assistance with an emergency to scheduled maintenance visits, on-site service support from our expert team helps keep plants and processes running efficiently.

Our service engineers are the heart of the Servomex Service Network, and are based around the globe to deliver rapid support for any plant's on-site analyzer and system requirements.

These skilled product specialists are fully qualified and equipped with the necessary spares for all servicing requirements, from commissioning to maintenance and repair. On-site support means that even when plants are run remotely or with minimal staff, the gas analyzers remain supported, for complete peace of mind.



FEATURES AND BENEFITS

- Skilled product specialists
- Highly experienced experts
- Covers all operational and maintenance needs
- Locally based for fast response

Service Center Support

EXPERT SUPPORT CLOSE TO YOUR PLANT

Developing proactive maintenance programs will sustain the life of your analyzer, preventing risk of failures.

However, when problems do occur, it is essential to get the analyzer up and running again as quickly as possible.

That's why we operate a global network of state-of-the-art service centers, located close to customers and ready to receive analyzers for repair, preventative maintenance, and upgrades.

A dedicated in-house co-ordination team works closely with our experienced repair engineers to provide a streamlined, hassle-free service at each center. They co-ordinate with local couriers to ensure the fastest possible turnaround and minimal process downtime.



FEATURES AND BENEFITS

- Full range of services
- Regional support
- Cost-effective repairs, no compromise in quality
- Dedicated in-house team

Rentals

CONTINUED MEASUREMENT AVAILABILITY

Servomex analyzers are available for hire, whenever you need them. Source a temporary replacement analyzer for your system quickly, with complete confidence that it will operate correctly and integrate easily.

Short and long-term agreements can be made, ensuring businesses receive the latest product technology, maintained to the highest standards and upgraded to the latest specifications.

If the efficiency, quality, and safety of your process depend on a Servomex analyzer but that device needs servicing or repairs, a rental agreement is a valuable solution. It ensures a like-for-like replacement, configured to your specifications, that keeps your process running with minimal disruption.



FEATURES AND BENEFITS

- A full range of analyzers to meet your requirements
- Equipment maintained to specification
- Expertise on hand to assist
- Fast delivery

Health Check

ENSURE OPTIMUM ANALYZER PERFORMANCE

Keeping on top of the operational efficiency of your analyzer can be difficult and time-consuming. An expert engineer will carry out a thorough evaluation and review of your plant's analyzers and sample system.

Carried out on-site, this provides unmatched protection for your investment in gas analysis systems, and verifies that the instrument is performing within specifications. Operators can then be confident that measurements are accurate and the quality of results is not compromised.

A health check allows for a more proactive approach to analyzer maintenance, detecting performance anomalies before they become costly problems, and avoiding downtime caused by unscheduled repairs.



FEATURES AND BENEFITS

- Quality assurance of instrument performance
- Increased reliability and trustworthy results
- Expert maintenance plans
- Avoids unscheduled repairs

> RECOMMENDED SERVICE CHART

SERVOTOUGH	Service Plans	Factory Acceptance Testing	Commissioning	Training	Spares
Oxy 1900					
OxyExact 2200					
H2scan					
SpectraScan 2400					
SpectraExact 2500					
FluegasExact 2700					
Laser 3 Plus Range					
SERVOPRO	Service Plans	Factory Acceptance Testing	Commissioning	Training	Spares
AquaXact 1688					
MonoExact DF150E					
MonoExact DF310E					
4900 Multigas					
MultiExact 4100					
MultiExact 4200					
Chroma					
NanoChrome					
DF-500 Range					
DF-700 Range					
NanoChrome ULTRA					
DF-560E NanoTrace ULTRA					
DF-750 NanoTrace ULTRA					
DF-760E NanoTrace ULTRA					
Plasma					
NOx					
FID/HFID					
SERVOFLEX	Service Plans	Factory Acceptance Testing	Commissioning	Training	Spares
Micro i.s. 5100					
MiniMP 5200					
MiniHD 5200					

This table outlines our suggested service support for each of our products. However, all our service products are available for every Servomex analyzer and system – contact your nearest service center to learn more.

Service Agreements	On-site Service Support	Service Centre Support	Rentals	Health Check	PAGE
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Service agreements	On-site Service Support	Service Centre Support	Rentals	Health Check	
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Service Agreements	On-site Service Support	Service Centre Support	Rentals	Health Check	
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					18

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SERVOTOUGH Oxy 1900

HAZARDOUS AREA

SUPPORT YOUR CRITICAL PROCESSES WITH REGULAR SERVICING

Operating in hazardous areas, this Paramagnetic oxygen analyzer frequently serves in critical processes where optimum uptime is essential. Because of the challenging environments, regular servicing and calibration is recommended to assure reliable accuracy.



MAINTENANCE REQUIREMENTS

- Periodic calibrations on zero and span to ensure measurement accuracy
- Flow alarm calibration validation as required
- Perform compensated pressure calibration checks as required
- Test all relays and 4-20mA outputs, making adjustments as required

SUGGESTED PRODUCTS

FACTORY ACCEPTANCE TESTING	PASS	COMMISSIONING	✓
TRAINING	📖	SPARES	⚙️
ON-SITE SERVICE SUPPORT	🔧	HEALTH CHECK	👤

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SERVOTOUGH OxyExact 2200

HAZARDOUS AREA

ENSURE ONGOING SAFETY AND CONTROL FOR YOUR PROCESS

This rugged, high-specification process oxygen analyzer is frequently used in safety and process control applications, typically in challenging environments. It requires periodic calibration checks to ensure ongoing accuracy and reliability.



MAINTENANCE REQUIREMENTS

- Periodic calibrations on zero and span to ensure measurement accuracy
- Flow alarm calibration validation as required
- Perform compensated pressure calibration checks as required
- Test all relays and 4-20mA outputs, making adjustments as required

SUGGESTED PRODUCTS

FACTORY ACCEPTANCE TESTING	PASS	COMMISSIONING	✓
TRAINING	📖	SPARES	⚙️
ON-SITE SERVICE SUPPORT	🔧	HEALTH CHECK	👤

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H2scan

HAZARDOUS AREA

LOW-MAINTENANCE, EXPLOSION-PROOF ANALYZER

With a solid-state design and non-consumable sensor, the H2scan has reduced maintenance requirements. Calibration is performed according to the desired tolerances, with intervals of a week, three weeks, or three months.



MAINTENANCE REQUIREMENTS

- Annual calibration and validation checks to ensure sensor is performing to specification

SUGGESTED PRODUCTS

FACTORY ACCEPTANCE TESTING	PASS	COMMISSIONING	✓
TRAINING	📖	SPARES	⚙️
ON-SITE SERVICE SUPPORT	🔧	HEALTH CHECK	👤

SERVOTOUGH SpectraScan 2400

HAZARDOUS AREA

MAINTAIN THE ACCURACY OF YOUR OPTICAL MEASUREMENT

This real-time optical analyzer has the sample cell segregated from the electronics for ease of maintenance. It requires regular servicing and occasional part replacement to ensure continuous high performance.



MAINTENANCE REQUIREMENTS

- Periodic calibrations on zero and span to ensure measurement accuracy
- Lamp replacement every 18 months, or when below 40% intensity
- Stepper motor replacement every five years to maintain maximum performance

SUGGESTED PRODUCTS

FACTORY ACCEPTANCE TESTING	PASS	COMMISSIONING	✓
TRAINING	📖	SPARES	⚙️
ON-SITE SERVICE SUPPORT	🔧	HEALTH CHECK	👤

SERVOTOUGH SpectraExact 2500

HAZARDOUS AREA

MAINTAIN ANALYZER UPTIME IN CHALLENGING CONDITIONS

Delivering flexible gas analysis capability for continually flammable sample streams, this robust photometric analyzer requires regular checks and parts replacement for continued reliable operation.



MAINTENANCE REQUIREMENTS

- Perform annual service, calibration and validation
- Check diagnostics and condition of cell windows, source voltage, detector, etc
- Replace scrubbers and seals as required
- Periodically replace chopper motor, source and detector to achieve maximum performance and uptime

SUGGESTED PRODUCTS

SERVICE PLANS	📅	FACTORY ACCEPTANCE TESTING	PASS
COMMISSIONING	✓	TRAINING	📖
SPARES	⚙️	SERVICE AGREEMENTS	📁
ON-SITE SERVICE SUPPORT	🔧	HEALTH CHECK	👤

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SERVOTOUGH FluegasExact 2700

HAZARDOUS AREA

ENSURE CONTINUED HIGH-PERFORMANCE COMBUSTION ANALYSIS

Constantly exposed to high-temperature conditions, this advanced combustion flue gas analyzer needs regular checks and preventative maintenance to ensure the highest accuracy and optimum uptime.



MAINTENANCE REQUIREMENTS

- Perform annual service, calibration and validation
- Check diagnostics, condition, and performance of analyzer
- Carry out preventative maintenance, replacing cells, aspirator, filters and probes as required

SUGGESTED PRODUCTS

SERVICE PLANS	📅	FACTORY ACCEPTANCE TESTING	PASS
COMMISSIONING	✓	TRAINING	📖
SPARES	⚙️	SERVICE AGREEMENTS	📁
ON-SITE SERVICE SUPPORT	🔧		

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SERVOTOUGH Laser 3 Plus Range

HAZARDOUS AREA

REGULAR MAINTENANCE FOR MAXIMUM OPERATION

Annual preventative maintenance is a basic requirement for this range of Tunable Diode Laser analyzers. There is a need to validate the measurement and purge flow, check components, and possibly replace parts. It may be necessary occasionally to remove the analyzer from the process and recalibrate.



- MAINTENANCE REQUIREMENTS
- Annual preventative maintenance is a basic requirement
 - Perform measurement validation and check status history
 - Validate the purge flows, health of windows and overall alignment of the analyzer to achieve maximum uptime and measurement accuracy
 - Check and replace flange O-rings as required

SUGGESTED PRODUCTS

SERVICE PLANS	FACTORY ACCEPTANCE TESTING
COMMISSIONING	TRAINING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	RENTALS

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SERVOPRO AquaXact 1688

SAFE AREA

VALIDATING FAST AND ACCURATE MOISTURE MEASUREMENTS

This rugged moisture sensor must have its performance validated annually – if out of specification, a sensor tip replacement or span point calibration is required. Annual tip replacement may be needed to meet NIST traceable requirements.



- MAINTENANCE REQUIREMENTS
- Validate the performance of the transmitter yearly
 - Replace the sensor tip or perform a span point calibration if out of specification
 - Annual tip replacement is recommended to ensure the analyzer meets NIST traceable requirements (if applicable)

SUGGESTED PRODUCTS

SERVICE AGREEMENTS	SERVICE CENTER SUPPORT
SPARES	RENTALS

SERVOPRO MonoExact DF150E

SAFE AREA

COULOMETRIC MEASUREMENTS ASSURED BY REGULAR SERVICE

Exposure to dry gas for an extended period extracts water from the sensor, so this oxygen analyzer's Coulometric sensor electrolyte must be replenished regularly to ensure optimum performance and long-term reliability.



- MAINTENANCE REQUIREMENTS
- Routine preventative maintenance adding, replenishment solution to the electrolyte as required to maintain optimum performance and long-term reliability
 - Perform periodic span calibration/validation to ensure measurement accuracy
 - Review zero and span reference values for quality of calibration

SUGGESTED PRODUCTS

SERVICE PLANS	COMMISSIONING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	RENTALS

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SERVOPRO MonoExact DF310E

SAFE AREA

ROUTINE MAINTENANCE ENSURES HIGH-QUALITY PERFORMANCE

This digital oxygen analyzer's Coulometric sensor requires regular addition of replenishment solution to the electrolyte in order to deliver continued reliability and accuracy. Span calibration and validation is also needed as an accuracy check.



- MAINTENANCE REQUIREMENTS
- Routine preventative maintenance adding, replenishment solution to the electrolyte as required to maintain optimum performance and long-term reliability
 - Perform periodic span calibration/validation to ensure measurement accuracy
 - Review zero and span reference values for quality of calibration

SUGGESTED PRODUCTS

SERVICE PLANS	COMMISSIONING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	RENTALS

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SERVOPRO 4900 Multigas

SAFE AREA

DIAGNOSE PROBLEMS EARLY TO ENSURE OPTIMUM UPTIME

Any potential issues with this continuous emissions monitoring systems analyzer can be predicted early by recording and analyzing diagnostics. For reliable operation, consumables such as sample, fan, and sintered filters should be replaced annually, along with calibration, validation, and pressure compensation.



- MAINTENANCE REQUIREMENTS
- Annual calibration and validation
 - Pressure compensation as required
 - Record and analyze diagnostics to predict failures early
 - Annual replacement of consumables
 - Routine planned maintenance at years three and five to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS

SERVICE PLANS	COMMISSIONING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	RENTALS

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SERVOPRO MultiExact 4100

SAFE AREA

MULTI-GAS ANALYSIS REQUIRES MULTIPLE SERVICE ACTIONS

Capable of being configured with a range of sensors, this analyzer requires annual calibration and validation, plus the regular replacement of consumables. Routine planned maintenance after three and five years ensures optimum performance and reduced downtime.



- MAINTENANCE REQUIREMENTS
- Annual calibration and validation
 - Pressure compensation (O₂ purity)
 - Record and analyze diagnostics to predict failures early
 - Yearly replacement of consumables
 - Routine planned maintenance at years three and five to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS

SERVICE PLANS	COMMISSIONING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	RENTALS

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SERVOPRO MultiExact 4200

SAFE AREA

MAINTAIN YOUR MULTI-GAS ANALYSIS WITH SERVICE SUPPORT

This high-performance multi-gas analyzer should receive regular planned maintenance to ensure peak performance and minimal downtime. Annual calibration and validation, regular parts replacement, and servicing after three and five years are recommended.



MAINTENANCE REQUIREMENTS

- Annual calibration and validation
- Pressure compensation (O₂ purity)
- Record and analyze diagnostics to predict failures early
- Yearly replacement of consumables
- Routine planned maintenance at years three and five to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS

SERVICE PLANS	COMMISSIONING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	

SERVOTOUGH DF-500 Range

SAFE AREA

OPTIMUM PERFORMANCE AND REDUCED DOWNTIME

To ensure continued high performance from this oxygen analyzer's Coulometric sensor, annual calibration is recommended, and the electrolyte solution needs replenishing. Validation of the primary and secondary electrode measurements helps predict failures early.



MAINTENANCE REQUIREMENTS

- Perform annual calibration
- Record and analyze diagnostics (primary and secondary electrode measurements) to predict failures early
- Routine planned maintenance at year three to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS

SERVICE PLANS	FACTORY ACCEPTANCE TESTING
COMMISSIONING	TRAINING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	RENTALS

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SERVOTOUGH Chroma

SAFE AREA

PLANNED SERVICE ACTIVITY TO SUPPORT PERFORMANCE

Our versatile trace gas analyzer offers superior performance when supported by annual maintenance including calibration, measurement validation, and tuning. Column regeneration should be carried out each year, with fans and filters cleaned regularly.



MAINTENANCE REQUIREMENTS

- Perform annual calibration and tuning
- Record and analyze diagnostics to predict failures early
- Regenerate columns and retune yearly
- Routine planned maintenance at years two, four and five to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS

SERVICE PLANS	FACTORY ACCEPTANCE TESTING
COMMISSIONING	TRAINING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	

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SERVOPRO DF-700 Range

SAFE AREA

HIGH-ACCURACY PERFORMANCE WITH MINIMAL MAINTENANCE

Annual diagnostics analysis ensures this low-maintenance Laser Moisture analyzer maintains its uptime with no unexpected failures. Optional parts – such as a zero gas purifier and pump, may need replacement at regular intervals.



MAINTENANCE REQUIREMENTS

- Record and analyze diagnostics to predict failures early
- Routine planned maintenance at years two, three and four to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS

SERVICE PLANS	FACTORY ACCEPTANCE TESTING
COMMISSIONING	TRAINING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	RENTALS

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SERVOPRO NanoChrome

SAFE AREA

PLANNED MAINTENANCE FOR RELIABLY ACCURATE PERFORMANCE

This ultra-trace purity monitor requires annual tuning to ensure high accuracy, along with fan and filter cleaning. Measurements should be calibrated and validated, while diagnostics can be checked to determine any developing issues.



MAINTENANCE REQUIREMENTS

- Perform annual calibration and tuning
- Record and analyze diagnostics to predict failures early
- Regenerate columns and retune yearly
- Routine planned maintenance at years two, four and five to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS

SERVICE PLANS	FACTORY ACCEPTANCE TESTING
COMMISSIONING	TRAINING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	

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SERVOPRO NanoChrome ULTRA

SAFE AREA

ENSURE SUPERIOR PERFORMANCE FOR YEARS TO COME

Annual calibration, measurement validation, and tuning keep this industry-leading ultra-trace gas analyzer at peak performance. Fans and filters should be cleaned regularly, while diagnostics should be checked to detect any developing issues.



MAINTENANCE REQUIREMENTS

- Perform annual calibration and tuning
- Record and analyze diagnostics to predict failures early
- Regenerate columns and retune yearly
- Routine planned maintenance at years two, four, and five to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS

SERVICE PLANS	FACTORY ACCEPTANCE TESTING
COMMISSIONING	TRAINING
SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	

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SERVOPRO DF-560E NanoTrace ULTRA

SAFE AREA

VALIDATED ACCURACY FOR INDUSTRY-BEST O₂ ANALYSIS


Annual calibration and regular replenishment of the Coulometric sensor's electrolyte solution ensures this analyzer continues to deliver industry-leading ultra-trace oxygen measurements. Planned maintenance supports maximum uptime.



- MAINTENANCE REQUIREMENTS
- Perform annual calibration
 - Record and analyze diagnostics (primary and secondary electrode measurements) to predict failures early
 - Routine planned maintenance at year three to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS			
SERVICE PLANS	FACTORY ACCEPTANCE TESTING	COMMISSIONING	TRAINING
SPARES	SERVICE AGREEMENTS	ON-SITE SERVICE SUPPORT	RENTALS

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SERVOPRO DF-750 NanoTrace ULTRA

SAFE AREA

MINIMAL MAINTENANCE THAT ASSURES PERFORMANCE


This analyzer uses non-depleting Laser Moisture sensing technology, for low maintenance and only annual diagnostics checks. If optional components such as a pump or zero gas purifier are fitted, they may need occasional replacement.



- MAINTENANCE REQUIREMENTS
- Record and analyze diagnostics to predict failures early
 - Routine planned maintenance at years two, three and four to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS			
SERVICE PLANS	FACTORY ACCEPTANCE TESTING	COMMISSIONING	TRAINING
SPARES	SERVICE AGREEMENTS	ON-SITE SERVICE SUPPORT	RENTALS

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SERVOPRO DF-760E NanoTrace ULTRA

SAFE AREA

EXPERT SUPPORT THAT ENSURES HIGH-QUALITY DUAL ANALYSIS


Using both a Coulometric and Laser Moisture sensor, this dual O₂/moisture analyzer requires annual calibration of its O₂ sensor, along with regular replenishment of the sensor solution. Diagnostics analysis assures performance of the moisture sensor.



- MAINTENANCE REQUIREMENTS
- Perform annual calibration (O₂ only, not for H₂O)
 - Record and analyze diagnostics (primary and secondary electrode measurements) to predict failures early
 - Routine planned maintenance at years two, three and four to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS			
SERVICE PLANS	FACTORY ACCEPTANCE TESTING	COMMISSIONING	TRAINING
SPARES	SERVICE AGREEMENTS	ON-SITE SERVICE SUPPORT	RENTALS

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SERVOPRO Plasma

SAFE AREA

REGULAR CHECKS STOP PROBLEMS BEFORE THEY OCCUR


Annual calibration and diagnostic analysis will ensure optimum performance from this accurate and highly stable analyzer. To predict future problems, regular checks of zero, span, and flow counts are recommended, plus a flow leak check, along with routine planned servicing.



- MAINTENANCE REQUIREMENTS
- Perform annual calibration
 - Record and analyze diagnostics (zero and span cell counts, flow counts, flow leak check) to predict failures early
 - Routine planned maintenance at years two, four, and five to ensure optimum performance and reduced downtime

SUGGESTED PRODUCTS			
SERVICE PLANS	COMMISSIONING	SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	RENTALS		

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SERVOPRO NOx

SAFE AREA

ENSURE THE RIGHT SPARES FOR CONTINUED CEMS ANALYSIS

This emissions analyzer requires periodic zero and span calibrations to ensure measurement accuracy, checking and recording trend of raw signal voltage to ensure signal loss has not occurred. Key components should be replaced on an annual or biennial basis.



- MAINTENANCE REQUIREMENTS
- Periodic zero and span calibrations to ensure of measurement
 - Check and record trend of raw signal voltage checks to ensure signal loss has not occurred

SUGGESTED PRODUCTS			
SERVICE PLANS	COMMISSIONING	SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT			

SERVOPRO FID/HFID

SAFE AREA

GET CONTINUED ACCURACY WITH EXPERT CALIBRATION


Annual analyzer calibration will ensure the continued accurate performance of these Flame Ionization Detector analyzers. The zero and span counts must be checked for gain, and then adjusted to offset this.



- MAINTENANCE REQUIREMENTS
- Annual calibration
 - Check zero and span counts, gain and offset
 - Adjust as required to guarantee instrument accuracy

SUGGESTED PRODUCTS			
SERVICE PLANS	COMMISSIONING	SPARES	SERVICE AGREEMENTS
ON-SITE SERVICE SUPPORT	RENTALS		

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SERVOFLEX Micro i.s. 5100

PORTABLES

PORTABLE RELIABILITY
ASSURED BY CALIBRATION

This portable oxygen analyzer requires periodic zero and span calibrations to ensure measurement accuracy. Flow alarm calibration validation and compensated pressure calibration checks should be carried out as required, along with testing of relay and 4-20mA outputs.



MAINTENANCE REQUIREMENTS

- Periodic calibrations on zero and span to ensure measurement accuracy
- Flow alarm calibration validation
- Perform compensated pressure calibration checks as required
- Test all relay and 4-20mA outputs, making adjustments as required
- Check and replace AFCD filter as required

SUGGESTED PRODUCTS

TRAINING	SPARES
SERVICE CENTER SUPPORT	RENTALS
HEALTH CHECK	

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spares brochure



SERVOFLEX MiniMP 5200

PORTABLES

VALIDATE YOUR PORTABLE
ANALYZER PERFORMANCE

Offering measurements of oxygen and carbon dioxide, this benchtop analyzer requires annual calibration checks and the testing of all outputs. Regular filter checks and replacement are also highly recommended to ensure peak performance.



MAINTENANCE REQUIREMENTS

- Periodic calibrations on zero and span to ensure measurement accuracy
- Flow alarm calibration validation
- Perform compensated pressure calibration checks as required
- Test all relay and 4-20mA outputs, making adjustments as required
- Check and replace AFCD filter as required

SUGGESTED PRODUCTS

TRAINING	SPARES
SERVICE CENTER SUPPORT	RENTALS
HEALTH CHECK	

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SERVOFLEX MiniHD 5200

PORTABLES

MAINTAIN RELIABLE GAS
ANALYSIS IN THE FIELD

This rugged, heavy-duty analyzer should be tested regularly to ensure it delivers the expected high performance. Annual calibration checks and filter replacements are all recommended to maintain accuracy and reliability.



MAINTENANCE REQUIREMENTS

- Periodic calibrations on zero and span to ensure measurement accuracy
- Flow alarm calibration validation
- Perform compensated pressure calibration checks as required
- Test all relay and 4-20mA outputs, making adjustments as required
- Check and replace AFCD filter as required

SUGGESTED PRODUCTS

TRAINING	SPARES
SERVICE CENTER SUPPORT	RENTALS
HEALTH CHECK	

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