SERVOMEX PRODUCT GUIDE

OUR INDUSTRY-LEADING GAS ANALYZER RANGE AND SYSTEMS, MATCHED TO YOUR INDUSTRY REQUIREMENTS

UTILIZING HUMMINGBIRD SENSING TECHNOLOGY

WINNERS OF THE QUEEN'S AWARD FOR ENTERPRISE



PROCESSING











A MEASURABLE ADVANTAGE

SERVOMEX 5

GAS MEASUREMENT GUIDE

SERVOTOUGH	NH₃	Ar	со	CO₂	He	C1-C6	NMHC	H ₂	HCI	HF	H₂S	CH₄	NO	NOx	NO₂	N ₂
Oxy 1800						P							P			
Oxy 1900																
OxyExact 2200	*										\$					
SpectraScan 2400			%CV	%CV		%CV					%CV					
SpectraExact 2500	%		%ppm	%ppm		%			%ppm			%	%ppm			
FluegasExact 2700			ppm													
Laser 3 Plus Ammonia	ppm										# - - - - -					
Laser 3 Plus Combustion			ppm									%				
Laser 3 Plus Process	*		ppm								† - - - -					
LaserSP 2930				%ppm					ppm	ppm	ppm					
LaserCompact 2940				%ppm					ppm	ppm	ppm					
LaserExact 2950	ppb		ppm	ppm					ppb	ppb	ppm					
DF-140E											2 - - - - - -					
DF-320E																
DF-340E											-					
H2Scan	-	-				:		%								

SERVOPRO	NH₃	Ar	со	CO ₂	Не	C1-C6	NMHC	H ₂	HCl	HF	H₂S	CH₄	NO	NOx	NO₂	N₂
AquaXact 1688							9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					-				
AquaXact 1688 Controller																
MonoExact DF150E							#									# - - - -
MonoExact DF310E																
4200/4210			%ppm	%ppm			2 0 0 0 0 0					%ppm				
4900 Multigas			%ppm	%								ppm	ppm			
FID							2 0 0 0 0									
Chroma		%ppm/b	%ppm/b	%ppm/b	%ppm/b		ppm	%ppm/b				%ppm/b				% ppm /b
Plasma							0 0 0 0 0									ppm
MultiExact 4100		%	%ppm	%ppm	%							ppm				%
MultiExact 5400			ppm	ppm			2 0 0 0 0 0									
NanoChrome		ppb/t	ppb/t	ppb/t			ppb/t	ppb/t				ppb/t				ppb/t
MonoExact TCD		%			%		2 0 0 0 0 0	%								%
NOx													ppm	ppm	ppm	
SO ₂							#									-
HFID							ppm					ppm				E

SERVOFLEX	NH₃	Ar	со	CO₂	He	C1-C6	NMHC	H ₂	HCI	HF	H₂S	CH₄	NO	NOx	NO ₂	N ₂
Micro i.s 5100			%	%												
MiniMP 5200				%												
MiniHD 5200		7	%	%		7			7 • • • • •							
MiniFoodPack 5200				%												

He C1-C6 NMHC H₂

GAS DETECTION

OxyDetect

DELTA F	NH₃	Ar	со	CO₂	He	C1-C6	NMHC	H ₂	HCl	HF	H₂S	CH₄	NO	NOx	NO₂	N ₂
DF-500 Range											-					
DF-700 Range																

WANT TO VIEW OUR PRODUCTS ONLINE?

Visit servomex.com

ppm	% % % % ppm ppm/ppm/b	%	%	% % ppm %ppm		■ Waste water treatment ■ Food storage ■ Marine inerting applications ■ Inert blanketing ■ Process control ■ Flare stack analysis ■ Vapor recovery ■ Safety-critical oxidation ■ Oxidation control reactions ■ EO, PTA and EDC manufacturing ■ Catalyst regeneration ■ Solvent recovery ■ BTU/Wobbe content measurement ■ Gas turbine, engines, fuel cells ■ Flare stack monitoring ■ Water in EDC/solvents ■ Ethylene production ■ TDI production ■ Chlorine production ■ Process heaters ■ Utility boilers ■ Thermal crackers ■ Crematoria & incinerators ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces	5 5 5 6 6 6 7 7
	% % % ppm ppm	%	%	% ppm		■ Oxidation control reactions ■ EO, PTA and EDC manufacturing ■ Catalyst regeneration ■ Solvent recovery ■ BTU/Wobbe content measurement ■ Gas turbine, engines, fuel cells ■ Flare stack monitoring ■ Water in EDC/solvents ■ Ethylene production ■ TDI production ■ Chlorine production ■ Process heaters ■ Utility boilers ■ Thermal crackers ■ Crematoria & incinerators ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces	5 6 6 6 7
	% % ppm ppm	%	%	% ppm		■ BTU/Wobbe content measurement ■ Gas turbine, engines, fuel cells ■ Flare stack monitoring ■ Water in EDC/solvents ■ Ethylene production ■ TDI production ■ Chlorine production ■ Process heaters ■ Utility boilers ■ Thermal crackers ■ Crematoria & incinerators ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces	6 6 6 7 7
	% % ppm ppm	%	%	% ppm		■ Water in EDC/solvents ■ Ethylene production ■ TDI production ■ Chlorine production ■ Process heaters ■ Utility boilers ■ Thermal crackers ■ Crematoria & incinerators ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces	6 6 7 7
	% % ppm ppm	%	%	% ppm		■ Process heaters ■ Utility boilers ■ Thermal crackers ■ Crematoria & incinerators ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces	6 7 7
	% % ppm ppm					■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces ■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces	7
	% ppm ppm					■ Process heaters ■ Incinerators ■ Power stations ■ Furnaces	7
	% ppm ppm						
	ppm ppm					■ Oxidation control ■ Inerting ■ Safety monitoring ■ Flare gas monitoring ■ Combustion control (<500°C) ■ Coal to chemical	7
	ppm						
	ppm					■ Emission control systems for CEMS ■ Combustion control systems for process heaters and crackers ■ Ammonia slip control in DeNOx plants	8
	ppm					■ Chemical reactor – inert gas control ■ Moisture in VCM ■ Natural gas contaminants – H ₂ O, CO ₂ , H ₂ S	8
	ppm			ppm		■ HF and HCI impurity monitoring in process gas ■ Monitoring H ₂ S during biogas production ■ H ₂ O and H ₂ S in natural gas	8
						■ Reactor process control ■ Pressure swing absorber nitrogen skids ■ Blanketing and inerting	9
						■ Hydrogen production ■ Polypropylene production ■ Polyethylene production ■ Oil refining ■ Petrochemical applications	9
	ppm/b					■ Pressure swing absorber N₂ skids ■ Reactor process control ■ Blanketing and inerting ■ Petrochemical process monitoring	9
	Phin/n					■ Refinery ■ Petrochemical ■ Manufacturing ■ Industrial gas supply	10
						= helinery = redochenical = mandactaring = maastial gas supply	
₂O	O ₂	C₃H ₆	тнс	H₂O	SO₂	KEY APPLICATIONS	PAG
				ppmvdp		■ Glove boxes ■ Solder reflow ovens ■ Compressed air generation ■ Ethylene production	10
				ppmvdp		■ Glove boxes ■ Solder reflow ovens ■ Compressed air generation ■ Ethylene production	10
	ppm/b					■ Glove boxes ■ Heat treating ■ Solder reflow ovens ■ Industrial gas production	11
	%ppm					■ Air separation units ■ Medical/industrial gases ■ Specialty gas blending	11
om	%					■ Product quality validation in hydrogen plants ■ HyCO process control ■ Bottling/filling plants producing flammable gas blends	11
om	%				ppm	■ Utility boilers ■ Clinical waste incinerators ■ Chemical incinerators ■ Mobile labs	12
			ppm		P P · · ·	■ Cryogenic air separation ■ Process control ■ Food gas manufacture ■ Product validation	12
q	%ppm/b		PP			■ Medical gas production ■ Air separation unit ■ Cryogenic truck loading station ■ High purity gas production	12
	, opp					■ Argon production ■ Track loading ■ Pure gas bottling ■ Specialty gas laboratories	13
om '	%ppm			ppm		■ Product purity on air separation unit ■ Validation of medical O ₂ , N ₂ , air and He ■ Process control on air separation unit	13
	0/			ррш		■ Validation of medical O ₂ , N ₂ , and air ■ Process control on air separation unit	13
om :	%ppm						14
	ppb/t					■ Semiconductor production — Stationary analytical systems ■ UHP gas production — Quality control measurements	
						■ Validation on industrial processes ■ Hydrogen purity ■ Bottling/filling plant applications	14
						■ Scrubber efficiency ■ Turbine/generator feedback control ■ SCR/SNCR feedback control	14
			_		ppm	Continuous emissions monitoring (CEMS) Ambient air monitoring	15
			ppm			■ Compliance monitoring and testing ■ VOC abatement ■ Scrubber efficiency	15
20	02	C₃H ₆	THC	H₂O	SO ₂	KEY APPLICATIONS	PAC
2	%					■ Pharmaceutical plants ■ Helium production and storage ■ Semiconductor facilities ■ Laboratories & universities	15
₂ O	O ₂	C₃H ₆	тнс	H₂O	SO₂	KEY APPLICATIONS	PAC
	%	J- 40				■ Refineries — catalytic cracker regeneration ■ Process monitoring ■ Inerting applications	16
	%					■ Laboratories and research ■ Air separation and gas bottling plants ■ Transfilling ■ Combustion analysis	16
	%					■ Physiology studies ■ Universities ■ Combustion optimization ■ Medical gas verification	16
	%					■ Equilibrium Modified Atmosphere Packaging (EMAP) fresh consumable produce testing ■ Laboratory and research	17

> WELCOME TO SERVOMEX

THE WORLD'S LEADING MANUFACTURER OF GAS ANALYZERS AND GAS ANALYSIS SYSTEMS.

Developed and manufactured in our UK and Americas Technical Centers, Servomex analyzers are hand-built to precise requirements. This ensures every product we make provides performance optimized to the needs of each customer process.

Built around the stable, accurate and reliable gas measurements provided by our world-leading Hummingbird sensing technologies, our analyzers incorporate the latest advances in hardware design and software control into resilient designs optimized for hazardous or safe area use.

Once manufactured, our analyzers can integrate into existing systems or be designed into a complete system manufactured to equally high standards in our global network of System Integration facilities.

We build every analyzer to deliver a long lifetime of performance. This ethos is maximized through our global Service offer, which provides a complete support service for your analyzer, from commissioning to regular maintenance.









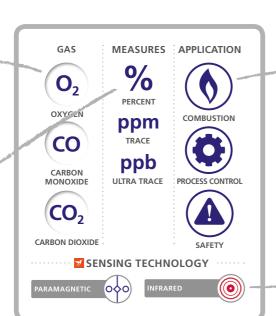
FIND YOUR PRODUCT NOW

'HOW TO' GUIDE

HOW TO USE AND GET THE MOST OUT OF THIS PRODUCT GUIDE.

Some analyzers are optimized for single gas measurements while others monitor multiple gas types.

We offer all measurement ranges from percentage to ultra-trace parts per trillion analysis.



We identify which application types the analyzer is suitable for operating in.

The Hummingbird sensing technologies used are listed.

SERVOTOUGH Oxy 1800

ACCURATE AND STABLE SAFE AREA O₂ ANALYZER

Designed to reliably measure percent O₂ in many safety-critical industrial applications, the Oxy 1800 is a stable, accurate and highly specific O₂ analyzer for safe area use.

∂ SERVOMEX **⋄**

FEATURES AND BENEFITS

- Internal/external use (IP66/NEMA 4X rated)
- Special version for solvent-bearing
- Range of alarm outputs aids integration with other systems

APPLICATIONS

- Waste water treatment
- Food storage
- Marine inerting applications
- Inert blanketing

GAS

 O_2

OXYGEN







SAFE AREA

APPLICATION





SENSING TECHNOLOGY



SERVOTOUGH Oxy 1900

AWARD-WINNING PARAMAGNETIC DIGITAL O₂

ANALYZER DESIGNED FOR HAZARDOUS AREA USE Offering industry-standard features alongside

revolutionary, value-added options, the Oxy 1900 O₂ gas analyzer sets new standards of flexibility, stability and reliability from a single, cost-effective unit

FEATURES AND BENEFITS

- Can be used in Safe Area to Zone 1/Div 1 hazard-rated locations
- Heated sample cell allowing simplified sample system requirements
- Unique Servomex Flowcube flow sensor technology for improved safety

APPLICATIONS

- Process control
- Safety-critical oxidation, such as ethylene oxide and propylene oxide purity
- Flare stack analysis
- Vapor recovery

0,

OXYGEN



MEASURES

HAZARDOUS AREA



APPLICATION

SAFETY

SENSING TECHNOLOGY



 O_2

OXYGEN

SERVOTOUGH OxyExact 2200

HAZARDOUS AREA

HIGH-SPEC PROCESS O₂ **ANALYZER OFFERS SAFE OR HAZARDOUS AREA CONTROL** WITH UP TO SIX TRANSMITTERS

The OxyExact 2200 high-specification O₂ analyzer offers an unrivaled combination of precision, flexibility and performance for optimum process and safety control. The OxyExact can be configured with a safe or hazardous area control unit with up to six transmitters

FEATURES AND BENEFITS

- Zone 1 certified to ATEX Cat 2, IECEx and FM/CSA Class 1 Div 1
- Three enclosure systems allow sampling of any flammable gas up to 100% O₂ and pressures of up to 40psi
- High-temperature version eliminates the need to condense hot sample prior to analysis

APPLICATIONS

- Oxidation control reactions
- EO, PTA and EDC manufacturing
- Catalyst regeneration
- Solvent recovery

MEASURES APPLICATION GAS





















SERVOTOUGH SpectraExact 2500

MEASURES

REVOLUTIONARY INLINE REAL-TIME ANALYSIS OF HYDROCARBON COMPONENTS C1-C6

A real time optical analyzer utilizing the Precisive field-proven optical bench, the SpectraScan 2400 delivers a breakthrough capability in the continuous analysis of light hydrocarbons C1-C6.



FEATURES AND BENEFITS

- North American Cat 1, Div 2 ATEX Cat 3 IECEx Zone 2
- Tunable band-pass filter enables simultaneous scanning of selected wavelength bands for gases including methane, ethane, propane and iso-butane
- Unique tunable filter process with Infared photometer technology delivers industryleading interference compensation

APPLICATIONS

- BTU/Wobbe content measurement
- Gas turbine, engines, fuel cells



CARRON MONOXIDI

CO₂

C1-C6

H₂S





APPLICATION



Ε ΔΡΡΙΙ Ι ΔΤΙΩΝ

CALORIFIC VALUE

▼ SENSING TECHNOLOGY



GAS

■ Flare stack monitoring

HAZARDOUS AREA

RUGGED PHOTOMETRIC GAS ANALYZER FOR DEMANDING PROCESS APPLICATIONS

Servomex's iconic industry-leading Photometric analyzer delivers flexible single and multicomponent gas analysis capability for corrosive, toxic and flammable sample streams. The SpectraExact 2500's reliable, accurate and stable real-time online process analysis makes it ideal for a range of process, combustion and emissions gas analysis applications.



FEATURES AND BENEFITS

- IECEx and North American hazardous area approvals
- Easy integration with DCS from 4-20mA to Modbus TCP
- Sample cell and electronics segregated for easy maintenance and safe operation

APPLICATIONS

- Water in EDC/solvents
- Ethylene production
- TDI production
- Chlorine production

70 TOXIC PERCENT ppm FLAMMABLE TRACE CORROSIVE SENSING TECHNOLOGY

MEASURES

SERVOTOUGH FluegasExact 2700

HAZARDOUS AREA

ADVANCED FLUE GAS ANALYZER FOR HIGH-TEMPERATURE **MEASUREMENT OF O₂ AND COMBUSTIBLES**

Designed to measure O₂ and COe in flue gases for improved combustion efficiency and reduced emissions, the FluegasExact 2700 gas analyzer is designed to suit the most demanding needs of combustion efficiency applications in the power generation and process industries



FEATURES AND BENEFITS

- ATEX Cat. 3, IECEx Zone 2 & North America Class I, Div 2
- Unique Flowcube flow sensor technology enables positive flow conditions to be validated
- Sulfur-resistant combustibles sensor enables sensor to operate at elevated sulfur levels

APPLICATIONS

- Process heaters
- Utility boilers
- Thermal crackers
- Crematoria & incinerators

MEASURES %





APPLICATION



GAS

 O_2

OXYGEN









WORLD-LEADING NH₃ **MEASUREMENT, OPTIMIZED** FOR AMMONIA SLIP DeNOx

APPLICATIONS

This TDL analyzer specifically optimized for ammonia slip measurement provides all the benefits of Servomex's TDL technology in a compact, light unit, offering unparalleled installation flexibility plus cost and performance benefits



FEATURES AND BENEFITS

- High measurement reliability utilizing Servomex's own line lock cuvette technology
- ATEX, IECEx and North American hazardous area approvals
- A compact analyzer specifically optimized for the fast, accurate and responsive measurement of NH₃
- Ideal for slip ammonia application on power plants and fired heaters

APPLICATIONS

- Process heaters
- Incinerators

SERVOTOUGH Laser 3 Plus Ammonia

- Power stations
- Furnaces

NH₃



GAS





APPLICATION







SERVOTOUGH Laser 3 Plus Combustion

THE REVOLUTIONARY COMPACT **COMBUSTION ANALYZER** OPTIMIZED FOR CO, O2, OR CO + CH₄ MEASUREMENTS

Containing all the benefits of Servomex's TDL technology in a light, compact unit, with unmatched installation flexibility plus cost and performance benefits, this analyzer is optimized for fast, accurate and responsive measurements in combustion and process control, making it a must for safety applications.



FEATURES AND BENEFITS

- High safety integrity utilizing Servomex's own line lock cuvette technology
- Compact size means quick and easy installation by one person with on-board display negating the need for laptop configuration
- ATEX, IECEx and North American hazardous area approvals. Approved for process Zone 2. SIL 2 assessed and CE marked
- Optimized for combustion processes

APPLICATIONS

- Process heaters
- Incinerators
- Power stations
- Furnaces

GAS MEASURES O_2

OXYGEN

CO

CARBON

CO+CH₄



ppm TRACE

HAZARDOUS AREA



APPLICATION

CARBON MONOXIDE METHANE

I SENSING TECHNOLOGY



SERVOTOUGH Laser 3 Plus Process

HAZARDOUS AREA

70

PERCENT

ppm

THE WORLD'S SMALLEST TDL GAS ANALYZER, OPTIMIZED FOR PROCESS O₂ AND CO **MEASUREMENTS**

All the benefits of Servomex's TDL technology in a small, light unit offering unparalleled installation flexibility plus cost and performance benefits. Optimized for the fast, accurate and responsive measurement of process oxygen in hot or hazardous conditions.



FEATURES AND BENEFITS

- High safety integrity utilizing Servomex's own line lock cuvette technology ■ ATEX, IECEx and North American hazardous
- area approvals. Approved for process Zone 2. SIL 2 assessed and CE marked Quick and easy installation by one person
- with on-board display negating the need for laptop configuration Suitable for a range of combustion and
- process control applications

APPLICATIONS

- Oxidation control
- Inerting
- Safety monitoring
- Flare gas monitoring
- Combustion control (<500°C)
- Coal to chemical

GAS



PROCESS



▼ SENSING TECHNOLOGY



OXYGEN

CO

MONOXIDE





HIGH-SENSITIVITY CROSS-STACK TDL ANALYZER

A high-performance gas analyzer designed for continuous in-situ monitoring, the LaserSP 2930 delivers a fast response time and highly stable performance. Suitable for measuring a range of gases including HCl, HF, H2O, H2S, HCN, and other hydrocarbons, the LaserSP is ideal for a wide range of process, combustion control and emissions applications.



FEATURES AND BENEFITS

- Designed for Zone 1 and Zone 2 hazard rated (gas/dust) locations
- In-situ with no sample conditioning delivers reliable operation
- Wavelength Modulated Spectroscopy provides wide dynamic range and lowest cross-interference

APPLICATIONS

- Emission control systems for CEMS
- Combustion control systems for process heaters and crackers
- Ammonia slip control in DeNOx plants

MEASURES : APPLICATION GAS **7**0 MULTIPLE PERCENT ppm **EMISSIONS**





GAS

MULTIPLE

SERVOTOUGH LaserCompact 2940

HAZARDOUS AREA

SHORT PATH LENGTH **TDL ANALYZER**

Optimized for measurement across pipes and along short measurement cells and able to measure through very thin nozzles, reducing or even eliminating consumption of purge gas, the LaserCompact 2940 delivers the fast response time, highly stable performance and minimum sample conditioning advantages of TDL technology.



FEATURES AND BENEFITS

- ATEX. IECEx and North American hazardous area approvals. ATEX Cat 3 (Gases) and Cat 2 (Dusts) IECEx Zone 2 and 7one 21 CSA Divisions and Zones (Gas and Dust)
- Line width correction delivers accurate measurement with variations in matrix
- In-situ with low purge gas consumption

APPLICATIONS

- Chemical reactor inert gas control
- Moisture in VCM
- Natural gas contaminants H₂O, CO₂, H₂S

70

MEASURES

PERCENT ppm



APPLICATION

Q

QUALITY

▼ SENSING TECHNOLOGY



SERVOTOUGH LaserExact 2950

HAZARDOUS AREA

EXTRACTIVE TDL TRACE MULTI-GAS ANALYZER, DESIGNED FOR MEASURING TRACE GASES OFFLINE

Specifically designed for extractive trace analysis applications, the LaserExact 2950's TDL technology offers unsurpassed low ppb detection limits for most gases, making it ideal for the measurement of trace gases offline.



FEATURES AND BENEFITS

- Zone 2/Div 2 hazard-rated locations and use without purge
- Advanced multipass cell delivers ppb or low ppm detection limits
- Innovative PeakLock pattern recognition line tracking eliminates drift over extended operational periods

APPLICATIONS

- Refinery monitoring: H₂S and CO₂ (during natural gas refinement)
- HF and HCI impurity monitoring in process gas
- Monitoring H₂S during biogas production
- H₂O and H₂S in natural gas

MEASURES APPLICATION GAS ppb Q MULTIPLE **ULTRA TRACE** ppm







SERVOTOUGH DF-140E

RELIABLE RESULTS IN A TESTING RANGE OF ENVIRONMENTS

The DF-140E allows for reliable oxygen measurement in a wide variety of environments, including outdoors and in explosive environments with a NEMA 7 remote sensor enclosure. Using the revolutionary non-depleting E-Sensor, the DF-140E delivers reliable readings without frequent recalibration and periodic sensor replacement.



FEATURES AND BENEFITS

- Long-term reliability and stability with minimal maintenance
- Durability can be used in Class 1, Div 1 or 2 areas
- STAB-EL option allows for accurate measurement in the presence of acid gases

APPLICATIONS

- Reactor process control
- Pressure swing absorber nitrogen skids
- Blanketing and inerting

GAS

MEASURES





APPLICATION

PROCESS







SERVOTOUGH DF-320E

HAZARDOUS AREA

HIGH-RELIABILITY TRACE AND PERCENT O2 MEASUREMENTS IN **HAZARDOUS AREA LOCATIONS**

Designed for use in harsh and hazardous areas, the DF-320E uses Servomex's unique, non-depleting Coulometric sensor technology to give highly stable O₂ measurements, making it ideal for applications including hydrogen, propene and polyethylene production, oil refining and petrochemical process monitoring.



FEATURES AND BENEFITS

- Ideal analytical solution for applications including H₂, C₃H₆ and PE production, oil refining, and petrochemical process monitoring
- Microprocessor-driven for easy configuration and maintenance
- Coulometric sensor delivers accurate results with no sensor drifting, false low readings, or frequent calibration requirements

APPLICATIONS

- Hydrogen production
- Polypropylene production
- Polyethylene production
- Oil refining
- Petrochemical applications

OXYGEN

MEASURES



ppm



APPLICATION

Q

SENSING TECHNOLOGY



GAS

OXYGEN

SERVOTOUGH DF-340E

HAZARDOUS AREA

MEASURES APPLICATION

HIGH-SENSITIVITY TRACE/ PERCENT COULOMETRIC **OXYGEN ANALYZER CERTIFIED** FOR HAZARDOUS AREA USE

Designed for heated or external locations, the DF-340E remains stable in changing sample and flow rate conditions, and is designed to provide measurements of trace or percent level oxygen in pure gas streams and multi-gas backgrounds. It is ideal for upset-prone conditions



FEATURES AND BENEFITS

- Coulometric sensing ideal for upset-prone applications and compensates for sample and flow rate fluctuations
- Suitable for outdoor installation, with NEMA 4-rated sensor enclosure options
- Multiple background gas stream monitoring, with simplified ongoing maintenance requirements

APPLICATIONS

- Pressure swing absorber N₂ skids
- Reactor process control
- Blanketing and inerting
- Oil refinery monitoring
- Petrochemical process monitoring

ppb







SENSING TECHNOLOGY







EXPLOSION-PROOF IN-LINE HYDROGEN PROCESS ANALYZER, **USING A SOLID-STATE, NON-CONSUMABLE SENSOR CONFIGURED TO OPERATE IN PROCESS GAS STREAMS**

The H2Scan hydrogen process analyzer features thin film technology that provides a direct hydrogen measurement that is not cross-sensitive to other gases.



FEATURES AND BENEFITS

- UL Class 1, Div 1, Groups B, C, D. ATEX & CSA certifications
- Easily configurable alongside SERVOTOUGH SpectraScan 2400
- Simple system integration

APPLICATIONS

- Refinery
- Petrochemical
- Manufacturing
- Industrial gas supply

GAS H_2

HYDROGEN

70 PERCENT



PROCESS



HAZARDOUS AREA

MEASURES APPLICATION

H2Scan thin film

MFASURES

SENSING TECHNOLOGY

SERVOPRO AquaXact 1688

SAFE AREA

A FAST, ACCURATE AND **RESILIENT MOISTURE MEASUREMENT SOLUTION**

The AquaXact 1688 is a rugged ultra-thin film Aluminum Oxide moisture sensor that enables the measurement of moisture in a wide variety of gas phase process applications, such as glove boxes, air separation units, natural gas processing, transportation, and instrument air, with no calibration required after sensor replacement or dry-out.



FEATURES AND BENEFITS

- Functions as a standalone 4-20 mA transmitter or remotely interfaces with SERVOPRO MonoExact DF310E multichannel gas analyzer system
- High-performance field-replaceable sensor element unaffected by condensation and liquid water
- Stainless steel, weatherproof casing (which is Class 1 Div 2) enables operation in ambient temperatures ranging from -10°C to +70°C

APPLICATIONS

Glove boxes

SERVOPRO AquaXact 1688 Controller

- Solder reflow ovens
- Compressed air generation
- Ethylene production

DEW H₂O **POINT**

GAS

WATER

ppmv



APPLICATION

SENSING TECHNOLOGY



SAFE AREA

DIGITAL CONTROLLER PLATFORM FOR THE AQUAXACT 1688

Built specifically to work in harmony with the AquaXact 1688 ultra-thin film Aluminum Oxide moisture transmitter this digital controller provides a high-clarity color touchscreen display, alarms, relays and advanced communications protocols, and allows easy sensor tip replacement in the field.



FEATURES AND BENEFITS

- Seamless integration with the AquaXact 1688 moisture sensor for advanced digital control of dew point and ppmv H₂O measurements
- Compact footprint for easy integration into vour system
- Advanced digital communications including Ethernet, Modbus TCP/IP and PROFIBUS

APPLICATIONS

- Air separation units
- Glove boxes
- Instrument air units
- Refining gases

GAS

H₂O

MEASURES APPLICATION DEW





SENSING TECHNOLOGY



SERVOPRO MonoExact DF150E

TOUCHSCREEN PPM OXYGEN ANALYZER FOR GENERAL INDUSTRIAL APPLICATIONS

With a brand new digital, programmable touchscreen and easier navigation, the MonoExact DF150E combines the reliability of Servomex's tried and tested Coulometric oxygen sensor with a more user-friendly package.



FEATURES AND BENEFITS

- Advanced touchscreen GUI for intuitive hands-on setup and operation
- Back-compatible with DF-150E platform, including hardware wiring inputs and gas inlets
- Servomex proprietary software makes reporting and parameter control simple

APPLICATIONS

- Glove boxes
- Heat treating
- Solder reflow ovens
- Industrial gas production

GAS

0,

OXYGEN



ppb ULTRA TRACE











MEASURES

PERCENT

ULTRA TRACE



SERVOPRO MonoExact DF310E

SAFE AREA

NEXT-GENERATION DIGITAL OXYGEN ANALYZER DESIGNED FOR INDUSTRIAL GAS APPLICATIONS

Designed specifically to accurately measure oxygen in industrial gas applications, the MonoExact DF310E is a next-generation digital oxygen analyzer that combines precision trace-level measurement with new performance benefits and extended digital communications compatibility.



FEATURES AND BENEFITS

- Advanced touchscreen GUI for intuitive hands-on setup and operation
- Back-compatible with DF-310E platform, including hardware wiring inputs and gas inlets
- Field-proven Servomex Coulometric electrochemical performance and reliability

APPLICATIONS

- Air separation units
- Medical/industrial gases
- Specialty gas blending

70

OXYGEN

GAS

ppm TRACE ppb



QUALITY

APPLICATION









MEASURES APPLICATION

SAFE AREA

SERVOPRO 4200/4210

GAS ANALYZER SUITABLE FOR FLAMMABLE GAS MIXTURES

The 4200/4210 multi-gas analyzer is designed to monitor flammable gas samples including H₂/CO, 'HyCO' or 'Syngas' mixtures for trace level contaminants and percent level components. The 4200/4210 offers oxygen control using Servomex's unique Paramagnetic cell, trace level measurement of CO, CO₂, N₂O and CH₄ and percent levels of CO, CO₂, CH₄ using Photometric sensor technology.



FEATURES AND BENEFITS

- Meets the requirements of EN 61010-1:2010 and EN 61326-1:2013
- Measures up to four gases simultaneously
- RS232/RS485 and Modbus communications

APPLICATIONS

- Product quality validation in hydrogen plants
- HyCO process control
- Bottling/filling plants producing flammable gas blends

MULTIPLE





















APPLICATION

AN ADVANCED DIGITAL **MULTI-GAS CEMS ANALYZER**

Specifically designed for Continuous Emissions Monitoring (CEMS) of flue gas, the SERVOPRO 4900 Multigas provides up to four simultaneous gas stream measurements. It combines Servomex's leading-edge sensing technologies with a modern digital platform for next-generation performance.



FEATURES AND BENEFITS

- A comprehensive solution for CEMS analysis of multiple flue gas components
- Low maintenance and cost of ownership
- Advanced digital communications including Ethernet, Modbus TCP/IP and PROFIBUS

APPLICATIONS

- Utility boilers
- Chemical incinerators
- Crematoria
- Mobile labs

MEASURES















SAFE AREA



SERVOPRO FID

SAFETY AND QUALITY CONTROL

A Flame Ionization Detector analyzer designed

the FID ensures the level of Total Hydrocarbons

(THC) is maintained below flammable limits, as

well as providing quality control in pure O₂, N₂,

to assure safe operation for cryogenic ASU,

TRACE HYDROCARBON

APPLICATIONS

Ar, air, He and CO₂

ANALYZER IDEAL FOR AIR

SEPARATION UNITS (ASU)

FEATURES AND BENEFITS

■ Electrical safety to IEC 61010-1. In compliance with Low Voltage, EMC and applicable Directives

Excellent output resolution over three operating ranges

Electronic flow controllers for air, fuel and sample for no dependency to atmospheric pressure variations and inlet pressure variation

APPLICATIONS

- Cryogenic air separation
- Process control
- Food gas manufacture
- Product validation



THC

TOTAL

HYDROCARBONS

MEASURES



SAFETY

APPLICATION



OUALITY





SERVOPRO Chroma

HIGHLY VERSATILE TRACE **GAS ANALYZER PLATFORM CONFIGURABLE TO A WIDE RANGE OF APPLICATIONS**

Offering a unique, non-depleting plasma emission detector, 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 for continuous process control or quality monitoring.



FEATURES AND BENEFITS

- PlasmaHC measurement system requires no FID for THC measurement
- Fully automated tune to the application - system for unique simplicity of use
- Standalone systems requires no third-party software or computer to operate

APPLICATIONS

- Medical gas production
- Air separation plants
- Cryogenic truck loading station
- High purity gas production

GAS

MEASURES









PROCESS

SAFE AREA

APPLICATION











SERVOPRO Plasma

RELIABLE MONITORING OF NITROGEN IN ARGON AND HELIUM, OPTIMIZED FOR AIR SEPARATION UNIT (ASU) PLANT OPERATIONS

Specifically designed for the continuous monitoring of N_2 in Ar or He or both, the Plasma's unique plasma emission detector provides an accurate, highly stable and reliable measurement ideal for the requirements of ASU plant operators.



FEATURES AND BENEFITS

- Electrical safety to IEC 61010-1: Ed 3. In compliance with Low Voltage, EMC and applicable Directives
- Wide measurement range 0-1ppm, 0-10ppm, 0-100ppm (higher on request)
- Electronic flow control system for low flow consumption and reading stability

APPLICATIONS

- Argon production
- Track loading
- Pure gas bottling
- Specialty gas laboratories

GAS

 N_2

NITROGEN

MEASURES APPLICATION





 $\Delta \Delta \Delta$ W QUALITY

▼ SENSING TECHNOLOGY



SERVOPRO MultiExact 4100

A SOPHISTICATED, NEXT-**GENERATION MULTI-GAS ANALYZER PROVIDING** A HIGHLY ADAPTABLE

The MultiExact 4100 is a high-performance multi-gas analyzer designed to provide up to four simultaneous gas stream measurements including: O2 (trace, control, and purity), CO2, CO, N₂O, CH₄ (trace), Ar in O₂, N₂ in Ar, O₂ or air, and He in Ar, O₂ or N₂

ANALYSIS SOLUTION

FEATURES AND BENEFITS

- Comprehensive solution for industrial and medical gas manufacture and for pharmacopeia applications
- Integrated support for the AquaXact 1688 Aluminum Oxide moisture transmitter
- Uses ultra-stable, non-depleting digital sensing technologies that help extend maintenance intervals

APPLICATIONS

- Product purity on air separation plant
- Process control on air separation plant
- Monitor trace CO₂ on scrubbed air inlet to air separation process
- Validation of medical O₂, N₂, air and He

MULTIPLE

GAS



70

PERCENT

TRACE



SAFE AREA

CONTROL



SENSING TECHNOLOGY







SAFE AREA

SERVOPRO MultiExact 5400

DIGITAL MULTI-GAS ANALYZER. **OPTIMIZED FOR WIDE RANGE** OF AIR SEPARATION UNIT (ASU) **MEASUREMENTS**

Combining industry-leading performance and a range of new and enhanced functions as standard, the MultiExact 5400 offers air separation plants a multi-gas analyzer specifically optimized to industry requirements - with GFx, Zirconia and Paramagnetic measurements now augmented by Servomex's revolutionary TCD measurement sensing technology.



FEATURES AND BENEFITS

- IEC 61010-1. European Pharmacopeia compliant. US Pharmacopeia compliant (O₂). In compliance with Low Voltage, EMC and applicable Directives
- TruRef technology offers class leading measurements for Ar, He and N₂
- Options include digital communication options, an integrated valve block function and unique Servomex Flowcube flow sensor technology

APPLICATIONS

- Product purity on air separation plant
- Process control on air separation plant
- Monitor trace CO₂ on scrubbed air inlet to air separation process
- Validation of medical O₂, N₂, air and He

MEASURES APPLICATION

MULTIPLE



















SUB-PPB TRACE MEASUREMENT OF H₂, CH₄, CO, CO₂, N₂, Ar AND NMHC FOR THE **SEMICONDUCTOR INDUSTRY**

Incorporating the latest advances in gas sensing technology and signal processing methodology, the NanoChrome revolutionizes ultra-trace purity measurements for the semiconductor industry.



DIGITAL SINGLE-GAS ANALYZER

The MonoExact gas analyzer brings Servomex's

acclaimed TruRef Thermal Conductivity (TCD)

analyzer, offering class-leading measurements

WITH TCD MEASUREMENTS

technology to air separation unit (ASU)

SERVOMEX*

for Ar, He, N₂ and H₂.

operators in a compact, single-component

FEATURES AND BENEFITS

- In compliance with Low Voltage, EMC and applicable Directives
- New PED Sensor technology enables sub-ppb measurements of H₂, CH₄, CO, CO₂, N₂, Ar
- Enables unique total Servomex solution for UHP gas analysis

APPLICATIONS

- Semiconductor production quality control measurements
- Semiconductor production stationary analytical systems
- UHP gas production quality control measurements

MEASURES APPLICATION GAS ppb MULTIPLE **ULTRA TRACE** ppt QUALITY

ULTRA TRACE

▼ SENSING TECHNOLOGY





SAFE AREA

APPLICATION

SERVOPRO MonoExact TCD

FEATURES AND BENEFITS

- In compliance with Low Voltage, EMC and applicable Directives
- TruRef offers ASU operators truly industryleading measurements for drift accuracy, linearity and repeatability
- Cost of ownership optimized by longer calibration intervals and no reference gas requirements

APPLICATIONS

- Validation on industrial processes
- Hydrogen purity
- Process control on air separation plants
- Bottling/filling plant applications

MULTIPLE

MEASURES







▼ SENSING TECHNOLOGY



SERVOPRO NOx

CHEMILUMINESCENCE DETECTOR (CLD) ANALYZER FOR KEY EMISSIONS APPLICATIONS INVOLVING ULTRA-LOW NO, NO₂ **AND NOx**

Utilizing Chemiluminescence detection technology to measure NO or NO/NO₂/NOx concentrations in industrial gas and vehicle emission applications the versatile SERVOPRO NOx can be calibrated for four measurement ranges starting from ultra-low to high ppm and is easy to install and operate.



FEATURES AND BENEFITS

- Multiple-range NOx emissions monitoring solution with a fast response
- Non-depleting light-based measurement and electronic flow control keeps costs low
- Heated version available for wet to dry conversion option
- EPA 1065/1066 and LD Euro 6, HD Euro V1 compliant

APPLICATIONS

- Continuous emissions monitoring (CEMS)
- Scrubber efficiency
- Turbine/generator feedback control
- SCR/SNCR feedback control



MEASURES



SAFE AREA

APPLICATION



GAS

NO









NITROGEN OXIDES







SERVOPRO SO₂

USES PROVEN PULSED UV FLUORESCENCE TECHNOLOGY TO DELIVER A PRECISE AND **RELIABLE MEASUREMENT OF ULTRA-LOW SULFUR DIOXIDE IN EMISSIONS AND AMBIENT AIR**

For industrial applications that require ultra-low emissions monitoring of sulfur dioxide, this robust analyzer is designed to slot seamlessly into rack systems, making it easy to integrate with existing emissions monitoring systems to provide unrivaled performance.



FEATURES AND BENEFITS

- Ultra-long-lasting UV light source
- Removable flash memory stores up to 10 years of data
- Operation over wide temperature range reduces cost of ownership

APPLICATIONS

- Continuous emissions monitoring
- Ambient air monitoring

GAS

SO

SHI FLIR

DIOXIDE

MEASURES APPLICATION



ppb ULTRA TRACE







SENSING TECHNOLOGY



SERVOPRO HFID

HIGH-PERFORMANCE FAST ANALYSIS OF TOTAL HYDROCARBONS, METHANE AND NON-METHANE HYDROCARBONS

Using a highly sensitive Flame Ionization Detector (FID) for measuring volatile hydrocarbon concentrations in industrial or vehicle emission applications, the HFID utilizes an internally heated oven set to 190°C to maintain the sample gas above its dew point, for optimum performance in total hydrocarbon analysis (THC). Can be equipped with a non-methane cutter for additional CH₄ and non-methane hydrocarbon (NMHC) reporting.



FEATURES AND BENEFITS

- Four user-definable measurement ranges, reconfigurable in the field ■ High-accuracy, gas-selective FID technology
- for maximized uptime ■ Heated oven for maximum stability and "hot/wet" sampling
- EPA Method 25A compliant
- EPA 1065/1066 and LD Euro 6, HD Euro V1 compliant

APPLICATIONS

- Continuous emissions monitoring (CEMS)
- VOC abatement
- Scrubber efficiency
- Compliance monitoring and testing

THC

GAS

TOTAL

HYDROCARBONS

CH₄

METHANE

NMHC

NON-METHANE

 O_2

OXYGEN





MEASURES

ppm



SAFE AREA

APPLICATION







GAS DETECTION OxyDetect

NON-DEPLETING PARAMAGNETIC **OXYGEN MONITOR DESIGNED**

Life safety monitor designed for safe area or hazardous area environments, utilizing superior performance of non-depleting Hummingbird Paramagnetic O₂ sensing technology.

FOR LIFE SAFETY APPLICATIONS



FEATURES AND BENEFITS

- IP66 (indoor use only)
- The most reliable O₂ detector on the market
- No more false readings or false alarms caused by depleting cell technologies
- SIL 2 approval

APPLICATIONS

- Pharmaceutical plants
- Helium production and storage
- Semiconductor facilities
- Laboratories & universities

PERCENT

MEASURES | APPLICATION %



SERVOMEX

SAFETY

▼ SENSING TECHNOLOGY





MEASURES APPLICATION

INTRINSICALLY SAFE ANALYZER MEASURES OXYGEN, CARBON MONOXIDE OR CARBON DIOXIDE

Designed for the measurement of toxic and flammable gas samples, the intrinsically safe Micro i.s. 5100 is a unique analyzer certified to Zone 0 and Zone 1 and suitable for measuring percent levels of O2, CO and CO2.



FEATURES AND BENEFITS

- Intrinsically safe design to ATEX and IEC standards ensures safety operation in hazardous environments
- Ergonomic design ensures easy operation on the move
- Available in non-pump or pump versions with optional sample conditioning kit

APPLICATIONS

- Hazardous area combustion optimization
- Refineries catalytic cracker regeneration
- Process monitoring
- Inerting applications



0,

OXYGEN

CO

CARBON MONOXIDE

CO₂

CARBON DIOXIDE









SENSING TECHNOLOGY



SERVOFLEX MiniMP 5200

BENCHTOP ANALYZER OFFERING SINGLE OR DUAL MEASUREMENTS OF OXYGEN AND CARBON DIOXIDE

The only truly portable battery-powered gas analyzer with MCERTS certification, the MiniMP 5200 is designed to offer single or dual measurement of O₂ and CO₂ by utilizing Servomex's advanced Paramagnetic and Infrared sensing technologies.



FEATURES AND BENEFITS

- EN15267-3 (MCERTS V3.3, Annex F) makes the MiniMP ideal for source testers that require reference O₂ analysis for CEMS verification
- Li-ion battery system offers unique true portability
- Non-depleting sensor design ensures long service with minimal calibration

APPLICATIONS

- Laboratories and research
- Air separation and gas bottling plants
- Transfilling
- Combustion analysis

GAS

0,

OXYGEN

CO,

CARBON DIOXIDE

MEASURES

% PERCENT



APPLICATION













SERVOFLEX MiniHD 5200

PORTABLE GAS ANALYZER FOR MEASUREMENT OF COMMON GAS MIXTURES

Designed for use in field locations or light industrial applications, the MiniHD 5200 portable gas analyzer is a rugged, heavy duty analyzer designed to accurately measure the levels of O2, CO and CO₂ within common gas mixtures. The MiniHD 5200 utilizes Servomex's non-depleting Paramagnetic and Infrared sensors to give dependable and accurate results



FEATURES AND BENEFITS

- Robust IP65 construction meets the demanding needs of field location analysis
- Long life Li-ion rechargeable batteries and range of sampling options ensure
- Accurate measurement of O₂, CO and CO₂ levels with no background interference

APPLICATIONS

- Physiology studies
- Universities
- Combustion optimization
- Medical gas verification

GAS

MEASURES APPLICATION



 O_2









CARBON DIOXIDE





SENSING TECHNOLOGY







SERVOFLEX MiniFoodPack 5200

BENCHTOP ANALYZER FOR QUALITY CONTROL/CHECKS IN MODIFIED ATMOSPHERE **PACKAGING**

A small sample volume portable benchtop analyzer designed specifically for the checking and quality control of gas mixtures in Modified Atmosphere Packaging (MAP) used in the food and pharmaceutical industries, the MiniFoodPack 5200 enables single or dual measurements for percent levels of O₂ and CO₂



O₂ to the lowest ppt levels available, the

DF-500 analyzer range delivers the premium

Consisting of the DF-550E NanoTrace and

DF-560E NanoTrace II, the NanoTrace series

and ultra-trace ppt levels.

delivers exceptional O₂ measurements at trace

performance in ultra-trace oxygen measurement.

FEATURES AND BENEFITS

- CE marked and in compliance with EEC, EMC and WEEE Directives. UL approved and CE marked 100-240V/43-70Hz AC power supply
- Range of sampling accessories is available for taking measurement from rigid or flexible pack
- Rechargeable battery option enables complete portability for flexible operation

APPLICATIONS

- Modified Atmosphere Packaging (MAP) quality testing for food and beverage products
- Modified Atmosphere Packaging (MAP) for packaged pharmaceuticals
- Equilibrium Modified Atmosphere Packaging (EMAP) fresh consumable produce testing
- Laboratory and research

GAS

02

OXYGEN

CO





CARBON DIOXIDE

SENSING TECHNOLOGY







HIGH PURITY

DELTA F DF-500 Range

LEADING ULTRA-TRACE PPT FEATURES AND BENEFITS O₂ ANALYZER RANGE ■ The industry standard for the reliable Verified by independent experts as measuring measurement of oxygen in semiconductor

- Fast response and quick upset recovery ensures ultimate performance
- Options include flexible configurations and hand-carry portable option

APPLICATIONS

manufacture

- Continuous quality control monitoring
- Inert gases control checks for electronics grade gases
- Post purifier quality certification
- Leak detection for electronics grade gases

MEASURES

 O_2

OXYGEN



ppt



TRACE

W QUALITY

 $abla\!$

APPLICATION

SENSING TECHNOLOGY



DELTA F DF-700 Range

TUNABLE DIODE LASER (TDL) TRACE MOISTURE **ANALYZER RANGE**

A sophisticated process moisture analyzer range which offers users the comprehensive solution for trace and ultra-trace moisture measurement, the DF-700 series combines the latest TDL Absorption Spectroscopy technology, a robust measuring cell and a true baseline reference for highly accurate moisture measurement.



FEATURES AND BENEFITS

- Exceptional sub-ppb moisture level readings which exceed current UHP moisture measurement
- requirements

 Models include DF-730 (moisture in HCl);
 DF-740 (moisture in ammonia); DF-745 (high sensitivity 2ppb LDL); DF-745 SGMax (specialty gas trace moisture analyzer); DF-750 NanoTrace (base model); DF-760E dual oxygen and moisture
- 2F TDL detection technology for robustness to particulates contamination

APPLICATIONS

■ 730: Quality control of HCl gas in semiconductor fabs ■ 740: Trace moisture analysis for quality control of electronics-grade NH₃ specialty gas used in microelectronics production **745** NanoTrace: Inert gases leak detection for LED and LCD plant applications ■ 745 SGMax: Specialty gas cylinder quality control checks ■ 749: Leak detection checks for UHP bulk gases used semiconductor applications
750: Bulk UHP gas quality control checks for high-end semiconductor fabs ■ 760E: Leak detection checks for UHP bulk gases used semiconductor applications

H₂O

GAS

ppm

MEASURES APPLICATION

TRACE ppb UITRA TRACE

ppt

ULTRA TRACE



HIGH PURITY

SENSING TECHNOLOGY











CUSTOM SYSTEM SOLUTIONS THAT ARE MADE TO MEASURE

WE ASSESS CUSTOMER NEED THROUGH THE WHOLE LIFE OF THE SYSTEM VIA AN ONGOING PROGRAM OF SUPPORT

NINE GREAT PRODUCTS ONE GLOBAL SERVICE

PROVIDING A COMPREHENSIVE PACKAGE OF SERVICE AND SUPPORT FOR OPTIMUM PROCESS PERFORMANCE

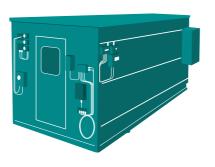
We build systems to suit every size and need...











UTILITIES

Simple utilities panels for analysis systems, including flow meters and pressure regulators that link to our analyzer range.

YSTEMS

RACKS

Systems integrating rack-mounted analyzers for SERVOPRO and DF ranges.

PANELS

Sampling systems on open panels, for easy accessibility to components for calibration and maintenance.

ENCLOSURES

Enclosures to ensure suitable weather protection for your system. Suitable for hazardous areas.

HOUSES

Fully-contained air conditioned shelters for large systems projects, customized for individual process requirements.

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- Based locally for fast response



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WHATEVER YOUR GAS ANALYSIS REQUIREMENTS, WHEREVER YOU ARE

