

Company profile

Innovating gas analysis for over 40 years

Signal Group Ltd develops and manufactures gas analysers for the professional testing of VOCs, vehicle and engine emissions, tobacco smoke, impurities in special gases, power station emissions, catalyst efficiency, and boiler/burner combustion emissions.

Raising gas analysis to new levels

www.signal-group.com | +44 (0)1276 682 841 | sales@signal-group.com



Company Profile

Based in the UK, with product development, manufacture and after-sales service all operating from the same facility in Camberley, near London, Signal Group Ltd has over 40 years of experience in the design and manufacture of gas analysers employing reference method technology.

Raising gas analysis to new levels

Throughout its history, Signal Group has maintained a close relationship with its customers; constantly developing new products and technologies to meet their needs. As well as gas analysers that measure the necessary parameters, customers also require high levels of accuracy and reliability, so Signal Group has always focused - almost to the point of obsession - on quality.



James Clements, Managing Director

Our Vision

"To become the reference in innovative gas analysis technologies."

Our Mission

"To always develop and manufacture high quality gas analysers that help our customers globally to improve the performance of their assets within a safe and compliant environment."

Our Values



Commitment

Honesty
Integrity
Safety



Innovation

Open-minded
Adaptable
Improvement



Relationship

Customer focus
Teamwork
Communication



Expertise

Knowledge
Experience
Quality

Constant investment on Research & Development

To help meet the challenges of a rapidly changing industry, Signal Group Ltd has continuously developed advanced instrumentation, using technology and software solutions to address a broad range of gas analysis applications. Innovative, open design and a common, easy to use interface has enabled Signal to develop a fleet of industry leading analysers, and when necessary, to seamlessly integrate with ancillary equipment and build turnkey systems to meet customers' specific requirements.

Signal Group recognises that real value is delivered to customers through people. Therefore, our well-trained, experience and highly motivated staff have a deep understanding of customer needs. This knowledge and expertise, across a range of applications, are key strengths allowing the development of the best monitoring solutions for every customer.



Company Profile

The latest technology

Signal Group are currently producing the fourth generation of our gas analysers - the S4. This entire suite of analysers uses a common, state-of-the-art micro-processor controlled electronics platform supported by both serial and WAN facilities utilising the 'AK Protocol'.



The versatile S4 range of gas analysers are designed for applications such as;

- Continuous Emissions Monitoring (CEMs)
- Automotive engine emissions
- Combustion/incineration emissions
- Solvent processes
- Research and analysis
- Specialty gases

S4 instruments come with their own IP address and run on Windows software. The S4i software includes every aspect of analyser functionality so that users can

securely access their instruments via the internet. This means that they can check or set any parameter at any time and from anywhere in the world.

The front panel display of the S4 instruments is totally independent of the analyser operating system, which means that the analyser can be purchased without the display. This option is particularly popular with systems integrators.

S4 Reference method technology analysers

SOLAR - Heated FID VOC analyser: Total VOCs, Methane and Non-Methane hydrocarbons

- Flame Ionisation Detector (FID) for gas purity, air separation plant and process plant VOC abatement monitoring, engine emissions and combustion studies.

QUASAR - Heated vacuum chemiluminescence NOx analyser: Nitrogen Oxides (NO, NO₂ & NO_x)

- Chemiluminescent Detector (CLD) for NO_x measurement in engine emissions, combustion studies, process plants, CEMs and medical gas production.

PULSAR - NDIR Multi-gas analyser: Up to 5 components including CO, CO₂, CH₄, N₂O and O₂

- Gas Filter Correlation (GFC) technology to measure only the gas of interest for industrial gas applications, combustion research, emission monitoring and gas purity.

AURORA - Paramagnetic Oxygen analyser: % O₂ accurate measurement

- Paramagnetic (PMG) technology for oxygen analysis in combustion testing, inert atmospheres, internal combustion engine exhaust and many more applications.

Portable Heated FID VOC analyser

3010 MINIFID - Portable total hydrocarbons analyser. This is a robust, reliable, portable Flame Ionisation Detector (FID), designed with simplicity and ease of use in mind - ideal for the rigours of going out on site.



S4 Detachable Wireless Tablet - Graphical User Interface (GUI)

Analysers are not always installed in the most convenient or safe environment; so the S4 Wireless Tablet is designed to provide operators with the freedom to manage their analyser remotely. Offering full functionality, the S4 tablet enables users to view data, manage configuration, data logging, alarms and calibration from a convenient location.



Company Profile

High quality ancillary equipment

In addition to reference method gas analysers, Signal Group also manufactures a full range of sample handling & conditioning systems, calibration & test equipment; making Signal a one-stop-shop for emission monitoring solutions.



AS80 Air purifier

Provides an inexpensive source of clean, zero-grade air for flame ionisation detectors (FID). Removes all hydrocarbons, including methane, down to 0.1% of the original level. Up to 10 FID units can be run from one unit.



821S Gas divider

This gas divider provides ten fixed points for checking instrument linearity across the full measurement range. The instrument is suitable for use with any gas compatible with st-st, ptfe and kynar materials.



NOXGEN 3 NOx converter efficiency tester

This device is used to check the converter efficiency of Chemiluminescent NOx analysers during manufacture and after every 6 months of operation. The Noxgen 3R provides the option of remote control using TTL levels for all operational functions.

Service

Customers around the world can benefit from after-sales support from our team of in-house engineers. A wide range of services are available including commissioning, inspection, calibration, repair, maintenance contracts, training and the provision of rental units.

Service and Maintenance Contracts

Signal Group's Service Department can provide a full package of services to optimise the performance of analysers; ensuring continuous, high-quality, reliable, trouble-free monitoring.

Technical Support

Our staff are fully trained to resolve issues over the phone and are also available for emergency call outs.

System Audits & Linearity Checks

Using our state of the art equipment and traceable gas standards.

Rental Equipment

Our rental centre can also offer the majority of our instruments and test equipment for short or long term rental contracts.



Worldwide sales and support network

Customers in over 40 countries benefit from Signal's gas analysis solutions supported by a strong and growing network of local representatives, most of which have been trained at our UK facility. Support services include technical advice on applications, as well as commissioning, training, routine maintenance and troubleshooting. Typical customers for Signal Group analysers include the operators of industrial processes and incinerators, test houses, regulators, consultants, gas suppliers, engine developers, researchers and academia.

Individual product brochures are available to download from our website www.signal-group.com.

For any other enquiries please feel free to call us on +44 (0) 1276 682 841 or email sales@signal-group.com.



www.signal-group.com

Signal Group Ltd

Standards House, Doman Road, Camberley, Surrey GU15 3DF
United Kingdom

Tel: +44 (0)1276 682841 Email: sales@signal-group.com



ISO
9001 : 2015
REGISTERED

Cert No. 317012019