

NEWS RELEASE

For immediate use

The Series 4 Has Landed

All the gossip on the new range of high specification gas analysers.

Remaining at the cutting edge of analyser technology has enabled Signal to provide specialised and varied solutions for all kinds of applications, whether industrial, automotive, combustion, ambient air quality measurement or academic research.

Signal's forthcoming products will offer the end user substantial benefits over current solutions. For example:

- Up to 5 simultaneous gas measurements in one 19" x 3U case.
- Large touch-screen user interface.
- SD card slot for onboard logging and analyser software upgrades.
- Full remote analyser control over Ethernet.
- Up to 20 fully configurable outputs – These can be used as alarm relays, or they can enable the user to operate external valves, pumps, etc from the analyser with no need for extra external control software.
- User configurable ranges.
- Readings accessible over the internet.
- 24bit analogue to digital converter.
- Increased measurement accuracy.

Signal is pioneering these features in their Series 4 range in order to take their instruments to the cutting edge of gas analysis and provide users with unequalled usability in every possible application.

The first analyser to be launched will be based on the Flame Ionisation Detection principal reference method for determining Total Hydrocarbon (THC) content. It will be able to provide fully simultaneous measurement of THC, methane and non-methane hydrocarbons and measure accurately from ppb levels up to 30% methane equivalent, with response times of lower than 1.5 seconds. It will also contain features common to current Signal FIDs such as an internally generated zero grade air supply, a heated sample filter and fully automatic calibration. Options will include internal sample pump, and a lower cost "cold" FID for non-combustion applications.

Also included in the Series 4 range will be a dual detector chemiluminescent analyser capable of measuring continuous NO, NO₂ and NO_x and even simultaneous NO and NH₃. The new detector arrangement will also enable Signal to offer a series of multigas analysers with up to 4 infra red detectors plus a paramagnetic oxygen significantly reducing the cost of measuring multiple gases.

The Series 4 range is not only limited to emissions measurement, also included will be a full set of ambient air quality analysers. With all the new features and their associated cost savings utilised in the Signal range of AQM analysers, features only ever seen before on automotive equipment will now be available for air quality monitoring.

This is technology not available from any other supplier of similar equipment and is the result of years of research into customer requirements, product design and development by the perfectionists at Signal.

The expected release date of the FID range is Q3 2008, with the other analyser types and updated sample handling equipment to follow shortly. Watch this space!

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