

High quality ancillary equipment
...specifically designed for gas analysis

In addition to reference method gas analysers, Signal Group also manufactures a full range of sample handling, calibration and test instruments; making Signal a one-stop-shop for emissions monitoring equipment.

High quality ancillary equipment

Heated Sample Handling Units

Model 346 FEF Module

The Front End Filter (FEF) module is a prefilter which is installed close to the sampling point, providing sample filtration and system integrity checking with Span gas being passed down the heated line to check for hydrocarbon 'hang-up'.



Model 361/2 Heated Pump / Filter / Dist Oven

A built-in heated pump draws sample from the pre-filtered exhaust probe. This is then distributed to two heated analysers, and a third line is fed to a cooler dryer for sample conditioning for dry gas analysers such as the Signal multi-gas PULSAR range NDIR analysers. The two filters can be switched via an external switching unit (picture shows dual channel Model 362).



A single sampling point unit (Model 361) with just one filter unit is also available.



Model 346 FEF Module

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Cooler Dryers

Model 203 Cooler / Dryer

This 19" rack mounted cooler dryer has up to three independent channels and is supplied complete with temperature and condensate alarms. The cooled and dried outlet sample is directed to the gas analyser.



A single channel version (known as the Pod) is also available.

Methane Cutters

Model 320 Cutter

An external non-methane hydrocarbon cutter provides the capability to measure methane-only for clients with a standard heated flame ionisation detector (FID). The Model 320 therefore provides a low cost alternative to all-in-one FIDs with a built in cutter.



NO₂ and NH₃ to NO Converters

Model 410 and 420 Converters

This compact 19" rack enclosure houses either a NH₃ to NO converter or NO₂ to NO catalysts, as well as a self contained heated filter and calibration gas selection valve. It is generally used with chemiluminescent NO_x analysers.



Test & Calibration Equipment

The Model 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, ptfе and kynar materials.



The Noxygen Model 3R

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



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