New Product Information

New Compact HPR-20 Gas Analyser Family

Hiden Analytical introduce the new HPR-20 range of application-specific compact benchtop gas analysers for dynamic measurement of in-process gas composition. All systems feature precision quadrupole mass spectrometers with standard mass range options 200 and 300 amu, with mass range options from 20 to 1000 amu being available for specialised applications.

The HPR-20 EGA system is configured for fast-response evolved gas measurement at near-atmospheric pressures utilising bypass capillary sampling, with sample consumption rates typically 1-15 mL/minute. Systems are routinely used in conjunction with thermal gravimetric analysers(TGAs), with standard interface options available for operation with a wide range of TGA systems.

Compact HPR-20 Evolved Gas Analyser

The HPR-20 TMS Transient system offers the optimum response time for fast event studies. The system uses a direct pulse ion counting detector with a 7-decade dynamic range, from 1 to 10^7 counts per second, and with the multichannel scalar option provides a time resolution of just 50 nanoseconds. The TMS system uses the 3F-series quadrupole with triple-stage mass filter providing optimum abundance sensitivity for mass resolution of minor species.

The HPR-20 R&D system is optimised for the researcher, with a wide selection of standard and customised system interface configurations available including options for direct sampling from sample pressures up to 30 bar. An 8-channel multi-stream selector option enables sample auto-selection from multiple gas streams, and a 4 or 8-channel mass flow-controlled gas preparation module provides on-line precision gas mixtures for system calibration and for direct supply to the user's reaction process.

For full details on this or any other Hiden Products contact Hiden Analytical at **info@hiden.co.uk** or visit the main website: **www.HidenAnalytical.com**.

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