

New Literature Information

Mass Spectrometers for Catalytic and Thermal Reaction Processes

Hidden Analytical release their new catalogue describing the latest range of mass spectrometers and micro-reactor systems designed specifically for gas and vapour analysis in catalytic and thermal reaction and desorption processes. Systems feature application-specific operating programs for both automated and manual control of the mass spectrometer and of the thermal process, integrating gas species and temperature data in real time. Inputs provide for integration of additional process-specific parameters, weight change in TGA processes for example.

Featured products include the Hidden CATLAB systems with cartridge-style sample insertion for quantification of catalytic activity through a temperature range to 1000°C. The Hidden TPD Workstation enables high temperature gas desorption studies under true ultra-high vacuum (UHV) conditions, a sample cassette and load-lock ensuring fast throughput for multiple sample analysis. The fast-response quadrupole mass spectrometer used in the TPD system, the Hidden PIC-series analyser with digital ion counting detector, is separately available as a standalone product for integration in the user's own UHV process system. Other products range from the HPR-20 series dynamic gas analysis systems through to the HPR-60 MBMS system with multi-stage vacuum pumping for direct measurement of reactive ion species in flames and plasma at pressures from sub-atmospheric through to 5 bar.



New Catalysis & Thermal Analysis Catalogue

The catalogue is available to download at <http://tinyurl.com/cta-catalogue-166-3>. For further information on this or any other Hidden Analytical products contact Hidden Analytical at info@hidden.co.uk or visit the main website at www.HiddenAnalytical.com.

--- ends ---