HIDEN ANALYTICAL

instruments for advanced science

30 Years

Mass Spectrometers for Catalysis and Thermal Analysis

Hiden Analytical issue a new catalogue describing their mass spectrometer systems and microreactors for control and monitoring of diverse gas-related thermal processes. Application areas include catalyst quantification, thermogravimetric analysis(TGA), thermal programmed processes(TPD/TPR/TPO) and general thermal reaction studies, with a range of interfaces available to accommodate process pressures from sub-atmospheric to 30 bar.

Recent introductions include the fully-integrated TPD Workstation for surface desorption studies at ultra-high vacuum(UHV), operating with small sample areas of just 1 sq.cm and programmable heating of specimens to 1000oC.

The differentially pumped UHV-compatible load lock and sample transfer mechanism ensure minimized background vacuum levels. Also featured is the HPR-20 QIC TMS system for analysis of fast gas adsorption/desorption events at pressures near atmosphere, with sample transfer response times down to just 150 milliseconds.

The established product range includes the CATLAB integrated microreactor/mass spectrometer series and both benchtop and freestanding mass spectrometer gas analysis systems. For further information on this or other Hiden Analytical products contact Hiden Analytical Inc. at info@hideninc.com or visit the main website at www.HidenInc.com