HIDEN ANALYTICAL

instruments for exact science

Media Information

Release: HAPR0016 Release date: immediate

TGA-MS with the Hiden HPR-20

Optimised specifically for monitoring fast evolved-gas events, the latest update of the Hiden HPR-20 TGA benchtop mass spectrometer features a state-of-the-art integrated interface and analysis system for real-time unequivocal detection of multiple gaseous species to 500 amu. The system is suited for use in diverse thermo/thermogravimetric applications and incorporates comprehensive data analysis programs for combined presentation of gas species and abundances, process temperature status and evolution rates.

QIC capillary inlet shown with heated filter

The quartz internal surfaces of the QIC (Quartz Inlet Capillary) process interface ensure optimum sample integrity through the transfer stage to the close-coupled mass spectrometer ionisation region, minimised internal volumes enabling response times to 100 milliseconds.

The benchtop HPR-20 TGA-MS system

contd./

Hiden Analytical Ltd
420 Europa Boulevard, Warrington, WA5 7UN, England
tel: +44 (0)1925 445 225 • email: info@hiden.co.uk

HAPR0016 **TGA-MS with the Hiden HPR-20**

/contd.

Custom designed adaptors, with interface transfer temperatures to 200°C and balanced flow rates to 1 scc/minute, provide for connection to diverse TA/TGA systems. The independently heated interface connections avoid cold spots and an optional hot sample adaptor is available for 1000°C operation. Routine maintenance procedures are simplified by the distinctive open architecture design, all critical sampling components being fully user replaceable.

For further information on this or other **Hiden** products please contact **Hiden Analytical** by email at info@hiden.co.uk or visit the main website at www.HidenAnalytical.com.

---- ends ----

Hiden Analytical Ltd
420 Europa Boulevard, Warrington, WA5 7UN, England
tel: +44 (0)1925 445 225 • email: info@hiden.co.uk