Software for Hiden Mass Spectrometers

Gas Analysis, Thermal Analysis and Residual Gas Analysis

Including application specific software packages for:
Quantitative gas analysis
Evolved gas analysis – TA-MS
UHV -TPD
MASsoft Professional Control Software
Mass Spectrometer – easy start

- Pre set modes of operation, templates and full control of mass spectrometers parameters
Trend Analysis

- Unlimited number of mass channels
- Full mass spectrometer control on a per channel basis
- Automatic mass peak selection from on board user editable library
- Quantitative analysis with user editable algorithms
Mass Spectrometer – mass scanning -1

- Histogram scanning mode
- Extract trend analysis for any mass peak(s) within the scan
- New 4, 6 or 8 decade dynamic range scan
Mass Spectrometer – mass scanning

- Optimised multistage analysis - configure different analysis for different parts of the experiment
- Peak profile diagnostic mode
MS Control

- Pre set modes of operation, templates and full control of mass spectrometers parameters
MS Control

Events provides control of:
- Alarm set points.
- Data I/O.
- Multiple data functions including:
  real time display of derived values, ratio, end point, and calibration for example.
Mass Spectrometer Interface Unit

- Ethernet TCP/IP, USB and RS232 communication links
- I/O subsystem with:
  - multi protocol RS485 links for external devices, mass flow controllers, CO analyser, total pressure gauges for example
  - 5 channel TTL for process control / automatic start - stop trigger
  - Analogue inputs and analogue signal output options

www.HidenAnalytical.com  info@hiden.co.uk
Application specific software packages for:
Quantitative gas analysis
Evolved gas analysis – TA-MS and UHV -TPD

- QGA – Quantitative Gas Analysis
- EGAssoft – Evolved Gas Analysis
QGA – Quantitative Gas Analysis

- Quantitative gas analysis of up to 32 gases
- 10 peak spectral library with intelligent library scan feature
- Flexible major and minor component gas calibration with background correction
- Data view with three y axes for simultaneous display of quantitative data, corrected data and raw data and/or external signals temperature data for example
- Capability to read multiple inputs, temperature or pressure for example
- X-axis can display time or an external input, a temperature ramp for example
- Data inputs for external gas analysers, a CO analyser for example to compliment the mass spectrometer analysis
- Multi-stream analysis for automatic sequenced analysis of up to 80 connected gas streams
- Automatic triggering of the start of analysis from an external input
- OPC data output
EGAssoft provides for data acquisition and analysis for TA-MS, TPD and UHV- TPD. Integration with TGA systems including auto stop/start trigger and data export.
Summary

Hiden MS software delivers:

• Fast start – simple operation
• Complete control of MS parameters
• Multi stream analysis
• Quantitative analysis: with spectral overlap and background correction
• 3D plotting for evolved gas analysis
• Signal inputs, process control, OPC and data export
• **www.HidenAnalytical.com**

• The Hiden website is an excellent resource with product pages, brochures, catalogues, product pages with some application notes, presentation and other information.

• Contact +44 1925 445225 for direct support.