

New Product Information

New Cluster Series for High Mass Analysis

Hiden Analytical develops and supplies instruments for a new era of cluster analysis and implementation of nanoscale particles.

The Hiden Cluster Series is a series of quadrupole MS systems, and components, developed specifically for high mass analysis that the analysis of nanoparticles requires. Systems include the 9 mm EPIC system, as well as the 20 mm DLS-20 system, for analysis of species up to 20,000 amu. Components include 9 mm and 20 mm pole diameter quadrupole assemblies with high-power RF operating at optimum frequency to accommodate high mass transmission required in cluster analysis.

Features:

- Precision Tri-Filter quadrupole assemblies
- Air Gauge tested for conformity
- 9 and 20 mm pole diameter options
- Mass range options to 20,000 amu
- 90-degree ion beam deflector option

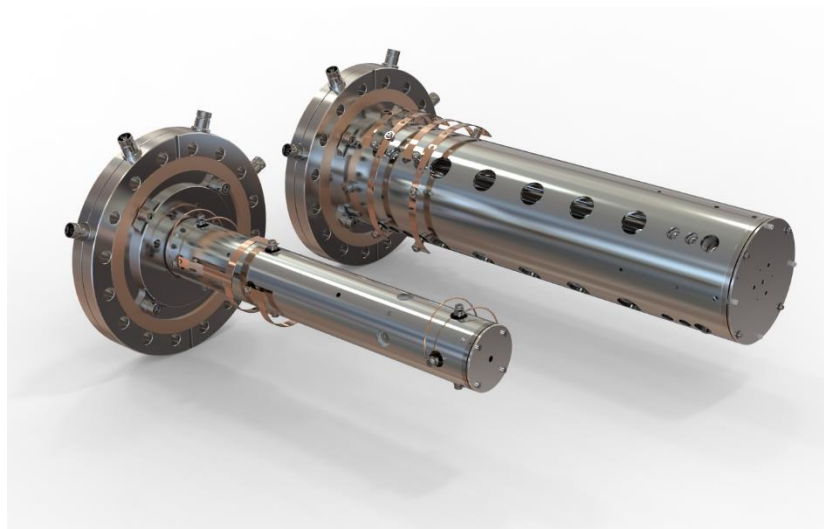
Applications include nanoparticle analysis, molecular beam analysis, precursor and contaminant analysis for high mass species. Systems are equipped with Hiden's multi-level software package, offering simple control of mass spectrometer parameters and complex manipulation of data and control of external devices.

Multiple sampling configurations are offered to suit research requirements, EPIC and IDP systems offer mid axis potential for negative ion detection and thermal desorption studies. The Cluster series are incorporated into the Plasma and SIMS analysis systems for plasma and surface characterisation. For pulsed deposition processes, time resolved measurements are offered to 50 ns time resolution.

The Cluster Series are designed to offer a fully featured, flexible and powerful solution for the monitoring of high mass species in RGA, Gas, Plasma and Surface analysis.

For information on all Hiden Analytical products contact Hiden Analytical at info@hiden.co.uk or visit the main website at www.HidenAnalytical.com.

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EPIC 20000 and DLS-20 quadrupole analysers