

MAX- SIMS Quadrupole Mass Spectrometers

High performance SIMS quadrupole mass spectrometers.

The MAX-SIMS quadrupole mass spectrometer is a high performance bolt-on instrument for static and dynamic SIMS applications.

The MAX-SIMS is based on our high performance 19mm triple quadrupole mass filter, delivering exceptional transmission and resolution characteristics.

MAX - SIMS Quadrupole Mass Spectrometer Features:

- 19mm high transmission and resolution triple quadrupole mass filter
- Mass range options to 4000amu
- Static and Dynamic SIMS
- Front end ion optics stack
- Axial and right angle configurations
- High sensitivity (10mA/Torr) internal ionizer for vacuum diagnostics and SNMS
- >1E6cps/nA for OFHC copper with 2nA primary beam at 1E-8mbar chamber pressure
- 1E-16mbar detection capability
- High transmission energy filter with <0.5eV energy resolution
- Low noise positive and negative ion counting detector with conversion dynode

