Science Together

KNAUER

Mass Spectrometry solution out of the box

4000 MiD

Chip-based single quadrupole mass spectrometer

The 4000 MiD is a miniaturized chip-based single quadrupole mass spectrometer suitable for a broad range of applications. An integrated oil-free pump system enables a small footprint and thereby the installation of this detector nearly everywhere.

4000 MiD

Mass Spectrometry solution by KNAUER

The easy to use concept with plug and play consumable results in low maintanance costs and a completely tool-less front end. Due to it's small design the nitrogen consumption of the 4000 MiD is reduced leading to low operating costs. With the MiDas automated sampling unit the 4000 MiD is the ideal addition for preparative HPLC systems and mass directed purification.

Easy to use

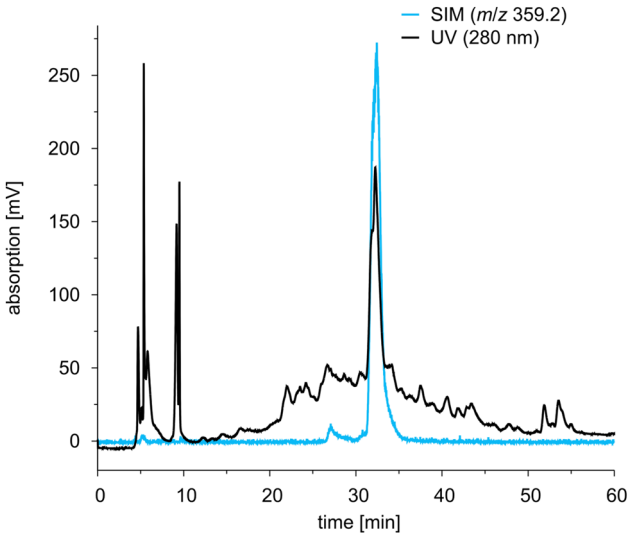
With the KNAUER 4000 MiD and its simple ‚plug and play' consumables mass spectrometry gets as easy as possible.

All in one solution

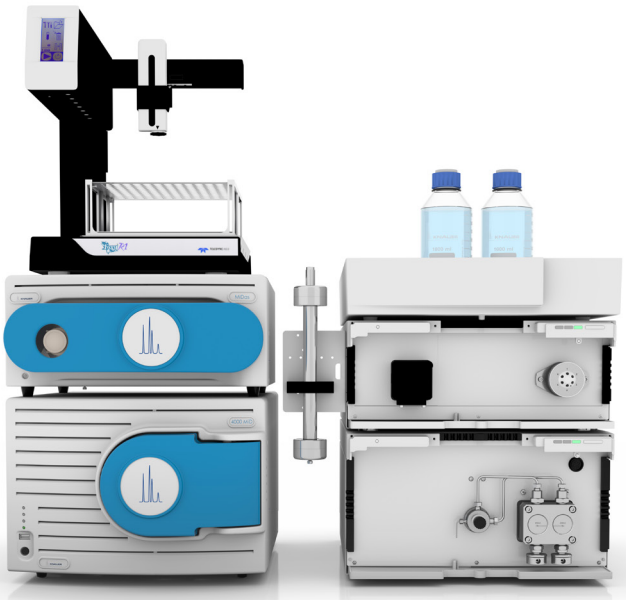
With the integrated vacuum system and integrated electronics inside of one box the KNAUER 4000 MiD brings mass spectrometry to places where no other spectrometer can be deployed.

Universal applications

With a mass range of 800 m/z the KNAUER 4000 MiD can be used for a borad variety of applications. In combination with the KNAUER MiDas it is the ideal choice for preparative chromatography and direct indroduction methods.



Purification of a natural product by mass directed fractionation
Black: UV trace at 280 nm
Red: MS trace (SIM) for target compound



4000 MiD Single Quad MS incl. MiDas Flow Splitter (A66900)	
Mass analyser	Single quadrupole
Ion source	Spraychip ionization source
Ionization modes	Positive and negative ESI
Scan modes	Full scan, SIM, interleaved
Mass range	m/z 50 to m/z 800
Mass accuracy	m/z ± 0.3 (Full Scan)
Pumping system	Integrated oil-free pumps
Mass resolution	m/z 0.7 (FWHM)
Nitrogen gas requirements	2.5 L/min, 99.5 % purity, 2 – 6 bar pressure
Control	ClarityChrom® 7.4.1 and higher
Interfaces	LAN

KNAUER Wissenschaftliche Geräte GmbH
Hegauer Weg 38 • 14163 Berlin, Germany

www.knauer.net

KNAUER