

Snapdragon Chemistry Sample Relay System™

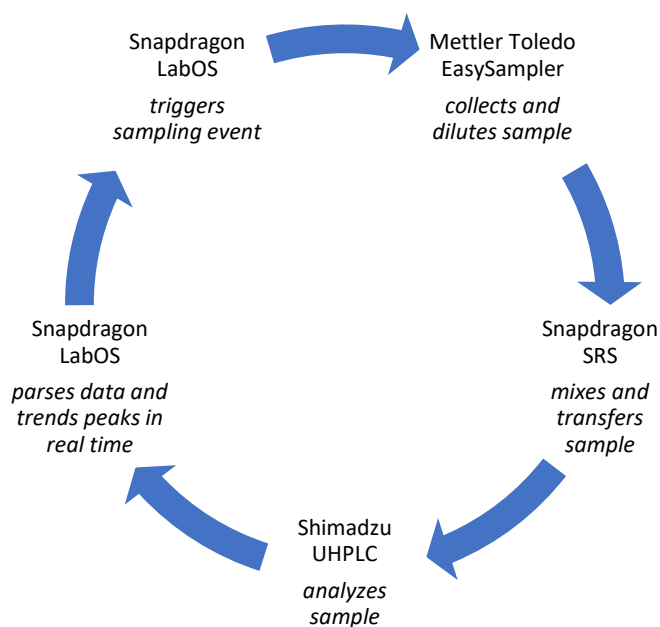
Data Sheet



Snapdragon Chemistry's Sample Relay System (SRS™) can enable online automated sampling and LC analysis using a Mettler Toledo EasySampler as the sampling interface and a Shimadzu Nexera UHPLC via Shimadzu LabSolutions software.

The SRS collects the diluted sample from the EasySampler, mixes it, and transfers it to the UHPLC for analysis. The sampling sequence as well as real-time plotting of data is enabled with Snapdragon LabOS™ software.

The principle of operation is outlined below:



Automated triggering of sampling events and automated data analysis enable the system to be used for process monitoring and enable autonomous process optimization by making the data available to optimizer algorithms.



Specifications

SRS Wetted materials	PEEK, FFKM, PTFE, PFA
Liquid connections	Inlet, Outlet, Waste, and Vent. All fittings 1/4"-28 flat bottom IDEX-type
Dilution factor	100-750X
Repeatability	≤2% RSD (200X)
Linearity	R ² > 0.999
Run-to-run carryover	≤2% (200X)
Cycle time	≥ 6 minutes
Nitrogen supply pressure	30-50 psig via 0.25-inch OD push-connect fitting
Safety features	Leak sensor, temperature sensor
Max Ambient Temperature	30 °C
Dimensions, weight	W9 x H9 x D9 inches (W229 x H229 x D229 mm), 15.2 lbs (6.88 kg)
Electrical requirements	100-240 VAC / 50-60 Hz (IEC C14 connector)

Specifications for the EasySampler (wetted materials, temperature, pressure rating) are available from Mettler Toledo.

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