



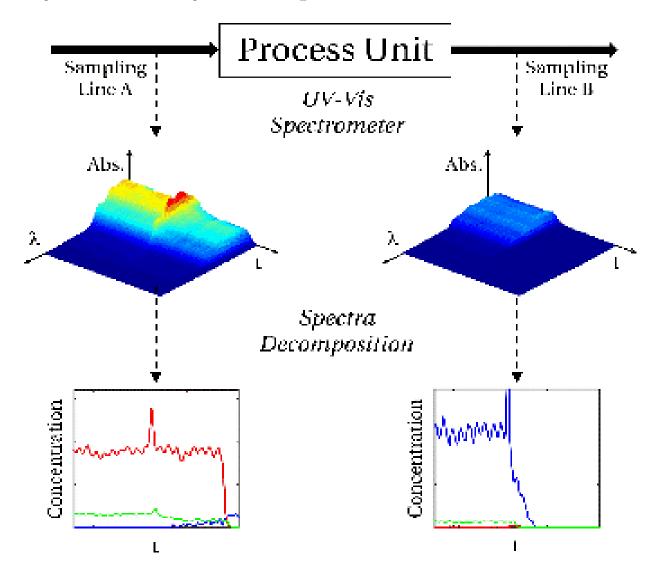
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Compact and robust UV-Vis spectroscopy for on-line BTX & PAH measurement

GAW 2016, Amsterdam 10.6.2016

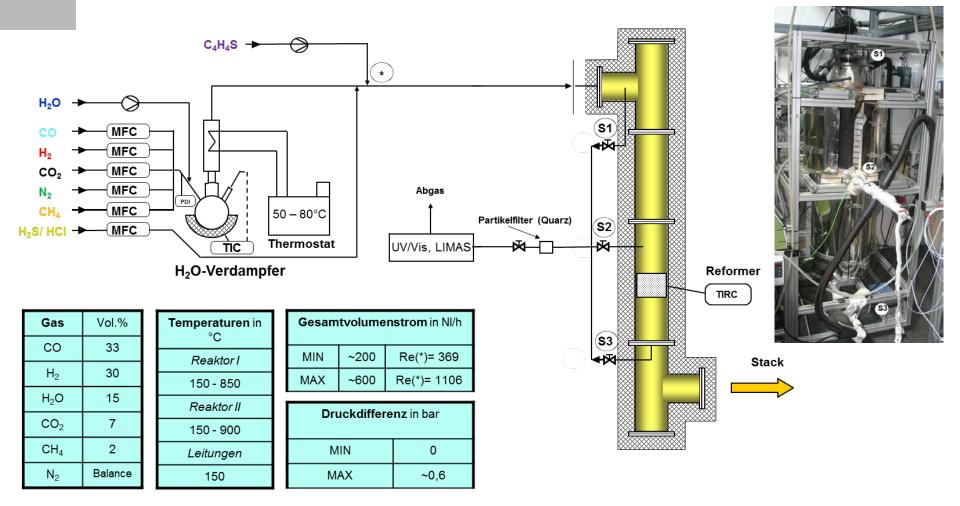
Motivation for UV-VIS on-line analysis

On-line assessment of a process unit such as a reformer or a scrubber for steady state and dynamic operation





Investigating the performance of a reforming catalyst for temperatures between 750 und 850°C and presence of H_2S /Thiophene

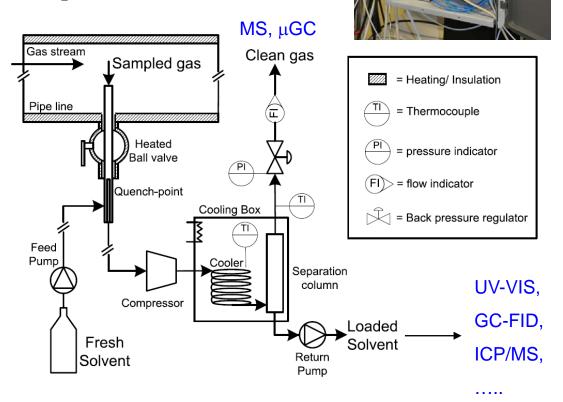


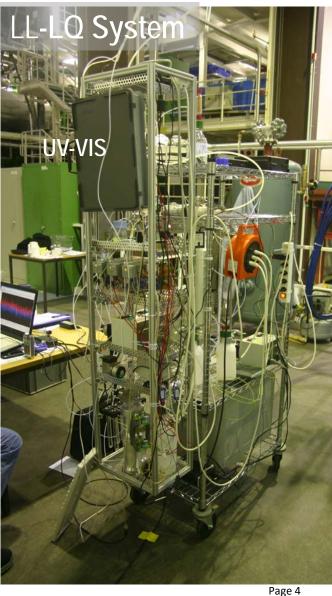


Sampling system LL-LQ for on-line measurement

UV-VIS

Design of LL-LQ system Two lines in place at KIT sampling inlet and outlet of reformer (S2 and S3) in parallel.





Typical results of UV-VIS online measurements

Online measurement of inlet and outlet concentration of BTX/PAH for a tar reformer operated with model gases

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