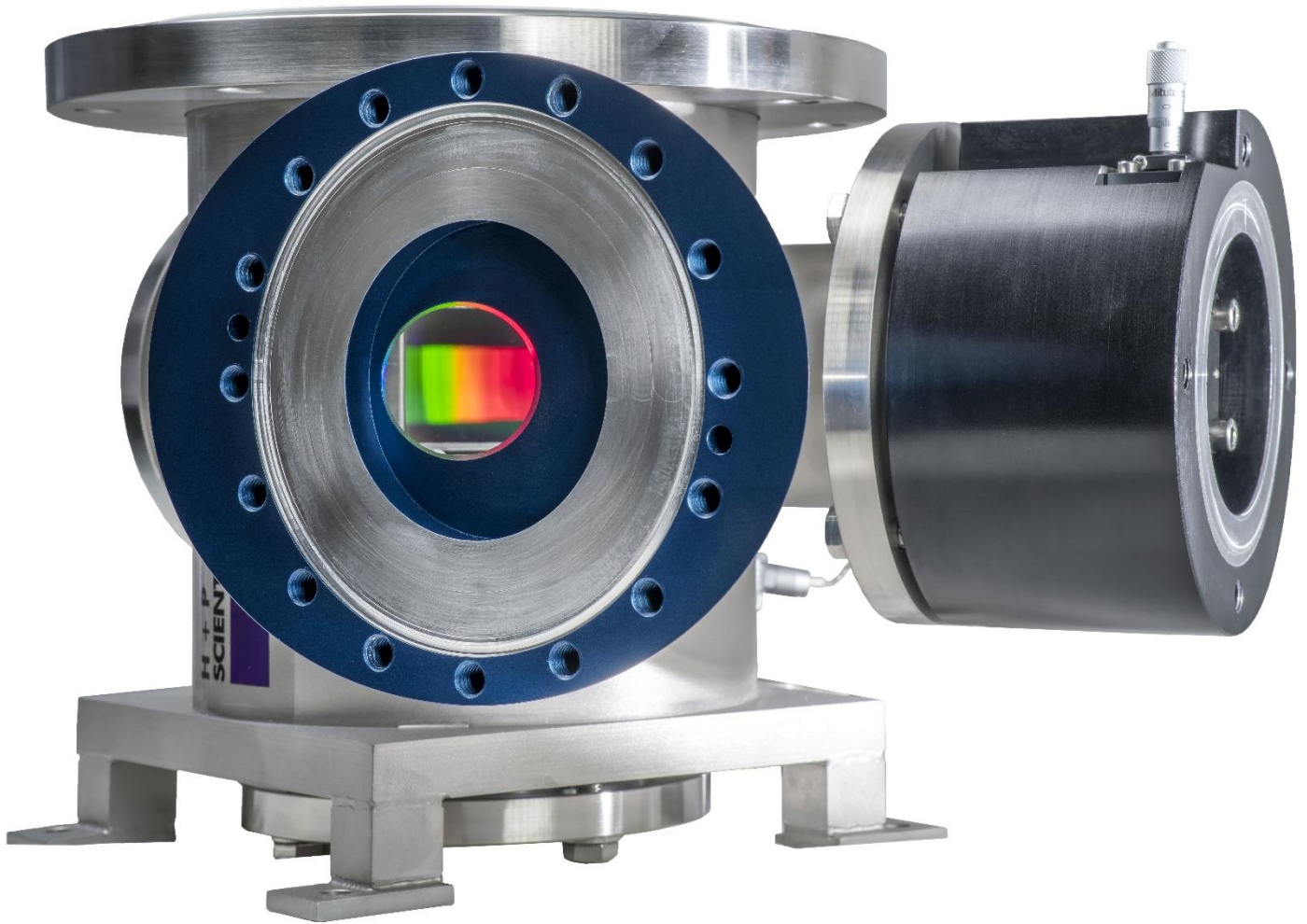


SIMTRUM

COMPACT VUV SPECTROMETER

VUV



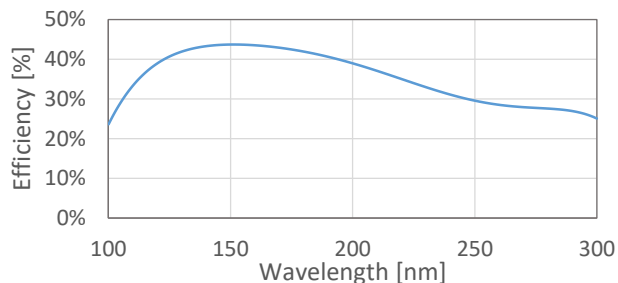
Features

Versatile VUV spectrometer

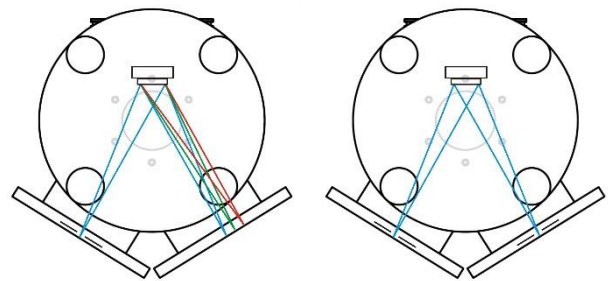
- spectrograph and monochromator functionality in the 80-300nm spectral range in one device
- slits continuously adjustable manually or motorized
- most compact spectrometer in its spectral range

Efficiency and accuracy

- aberration-corrected grating with best-in-class efficiency
- high accuracy wavelength setting by closed loop micro-precision grating actuator
- grating and slit positions controlled by software
- stray-light suppression by double filter and anti-reflection chamber coating
- wavelength selection with <math><0.05\text{nm}</math> accuracy at the exit slit in monochromator mode



Grating efficiency.



Operation modes: (1) Spectrograph, (2) scanning monochromator.

Specifications

Topology	aberration-corrected normal-incidence spectrometer
Wavelength range	80-300nm
Source distance	flexible
Detector	CCD or MCP/CMOS
Operating pressure	<10 ⁻⁶ mbar (UHV version available)
No-slit technology	no
Entrance slit	continuously variable 0-4mm (motorization available)
Grating positioning	motorized closed-loop
Spectral filter insertion unit	optionally
Control interfaces	USB or Ethernet
Software	Windows UI / Labview, VB, C, C++ SDK
Customizable	fully customizable
Options	non-magnetic, rotated geometry, etc
<hr/>	
Dispersion	~2.5nm/mm
Resolution	<0.1nm
Wavelength accuracy	<0.05nm
Deviation angle	64°
f/#	4.2