

A match for every requirement

A high-aperture optical system with extraordinary components provides excellent light throughput for superior analytical results. Our spectrometers are built from optical components satisfying every requirement of quality, service life and performance. For many years this technology has been defined by these essential principles:

- Use of a minimum number of high-grade optical components to reduce energy losses.
- Sturdy optical construction according to an optimized Czerny-Turner design to guarantee best imaging conditions.

Long high-performance life guaranteed for 10 years

Quartz coated optics and encapsulation guard against corrosive laboratory atmospheres and extend the life span – an advantage we pass on to our customers: A long-term warranty of ten years is standard for our atomic absorption spectrometers!

Thoroughly studied burner-atomizer system

A system optimized over many AAS generations consisting of titanium burner, inert atomizer and a mature mixing chamber concept ensures stable operation and high repeatability in the flame mode.

Designed-in safety

Safe operation is a top priority especially in flame AAS. With a multitude of sensors, all safety-relevant parameters are constantly monitored and controlled. From flame ignition to switching types of gas and to safe quenching in case of a malfunction: all functions are PC controlled and fully automated.

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◀ Left: Magnetic field

◀ Right: ZEE nit 700 with hydride system and AS 52 s