

Atomic absorption spectrometer

Description/Parameters

Running under PC control, the **atomic absorption spectrometer contrAA 700** provides a high resolution continuum source atom absorption spectrometer tool for flame and graphite tube technique.

- Simple and robust routine analysis made possible by fast-sequential multielement analysis using flame techniques.
- Fast multielement analysis - use of a xenon lamp as a continuous source for all elements.
- Interference-free analysis - clear separation of analysis lines thanks to high-resolution optics and advanced correction algorithms for complex spectral interferences.

Optical system

- UV-sensitive CCD line detector.
- Complete wavelength range (185 – 900 nm).
- Monochromator with a double diffraction grating.

Lamp

- Xenon short-arc lamp.

Software

- ASpect CS.



Utilization/Services

The **atomic absorption spectrometer contrAA 700** enables sequential analysis of metal and some non-metal traces in liquid and dissolved samples. In combination with the autosampler, contrAA 700 act as a multi-element auto-setting for routine analytical tasks. Possibility to create new methods.

Flame technique

- Elements: Al, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Si, Sn, Ti, V, Zn (mg/l).
- Atomization 2300 °C (acetylene/air) or 2750 °C (acetylene/N₂O).

Graphite furnace

- Elements: B, Pb, Pt, Sb, Sn (µg/l).
- Atomization up to 3000 °C.