

## **electrothermal atomizer**

**Also contains definitions of:** confined atomizer, open atomizer

*in spectrochemical analysis*

A device which is heated to the temperature required for analyte atomization by the passage of electrical current through its body. In open atomizers the sample vapour, together with analyte atoms, leaving the atomizer surface may move freely into the surrounding space. In confined atomizers the sample vapour is restricted by the atomizer wall except for the openings where the optical beam enters and leaves the atomizer and the sample introduction hole.

**Source:**

PAC, 1992, 64, 253 (*Nomenclature, symbols, units and their usage in spectrochemical analysis - XII. Terms related to electrothermal atomization (IUPAC Recommendations 1992)*) on page 254