

New Carbon/Sulphur Analyser Measures both Organic and Inorganic Samples

When using conventional elemental analysers for carbon and sulphur determination in solids, the user must decide whether to use a resistance furnace to analyse organic compounds or an induction furnace for inorganic compounds.

Not with ELTRA's unique analyser, the ELEMENTRAC CS-d which combines both techniques. Thus, the user only needs one analyser to examine organic as well as inorganic matrices for their carbon and sulphur content directly without cumbersome sample preparation. The analysis time of the ELEMENTRAC CS-d is impressively short: analysis of steel, for example, only takes about 40 s; for coal it is about 90 s.

Carbon and sulphur are measured simultaneously with an accurate infrared detection system. Up to four measuring cells can be customised according to the user's requirements. Dual infrared detectors for C and S allow reliable detection of both parameters from ppm levels to high percentages.

Benefits of the new analyser, are as follows:

- Unique Dual Furnace Technology allows analysis of both organic and inorganic samples;



Fig. ELTRA's new analyser ELEMENTRAC CS-d

- Individual measuring ranges for C and S from low ppm levels to high percentages;
- Very short analysis time;
- Easy-to-use ELEMENTS software;
- Automated sample feeding (option);
- Robust design for use in production and lab.

ELTRA is one of the world's leading manufacturers of elemental analysers for rapid and accurate analysis. Starting with combustion analysers for carbon and sulphur determination in the early 1980's ELTRA has extended its product range over the

years with analysers for oxygen, nitrogen and hydrogen as well as thermogravimetric analysers which ELTRA exports customers worldwide.

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