



SPECTRUMA

ANALYTIK GMBH

Autosampling Unit

For automated analysis of continual standard tasks

Automation of routine analytic tasks and thereby minimizing the human error factor have been one of the major aspects while developing the Autosampling Unit, resulting in an instrument option for the GDA550, GDA650 and GDA750 series.

The instrument is now able to continuously produce analysis results over a period of many hours through the usage of the large magazine which, depending on the individual sample thicknesses, may hold up to 120 pieces. A second magazine will also be provided which may be set up while analysis is in progress. The ability to quickly change the magazine further minimizes the downtime of the instrument.

Each sample may be analyzed on up to four locations and the analysis results will be saved in a set of individual files (1). It is additionally possible to store the produced data in an external database (2).

An export module (3) can be configured to generate various output formats which may be saved to file or printed directly after each measurement.

The filenames of the files processed (4) in the series and the location where the data is to be saved are arbitrary, of course.

The software also allows to change the interpretation of every sample by using so called jobs (5), so that different applications can be analysed with one magazine.

The error handling assures automatic identification and solving of errors which may occur during processing, therefore achieving a smooth operating schedule.

The Autosampling Unit naturally supports all available lamp sizes of DC and RF variants.

The operator's manual activities are now limited to changing the magazine of the autosampler and starting a new processing series.

Quality, flexibility and stability of soft- and hardware assure smooth unattended processing of large analytic tasks thus minimizing idle or downtime of the instrument.

