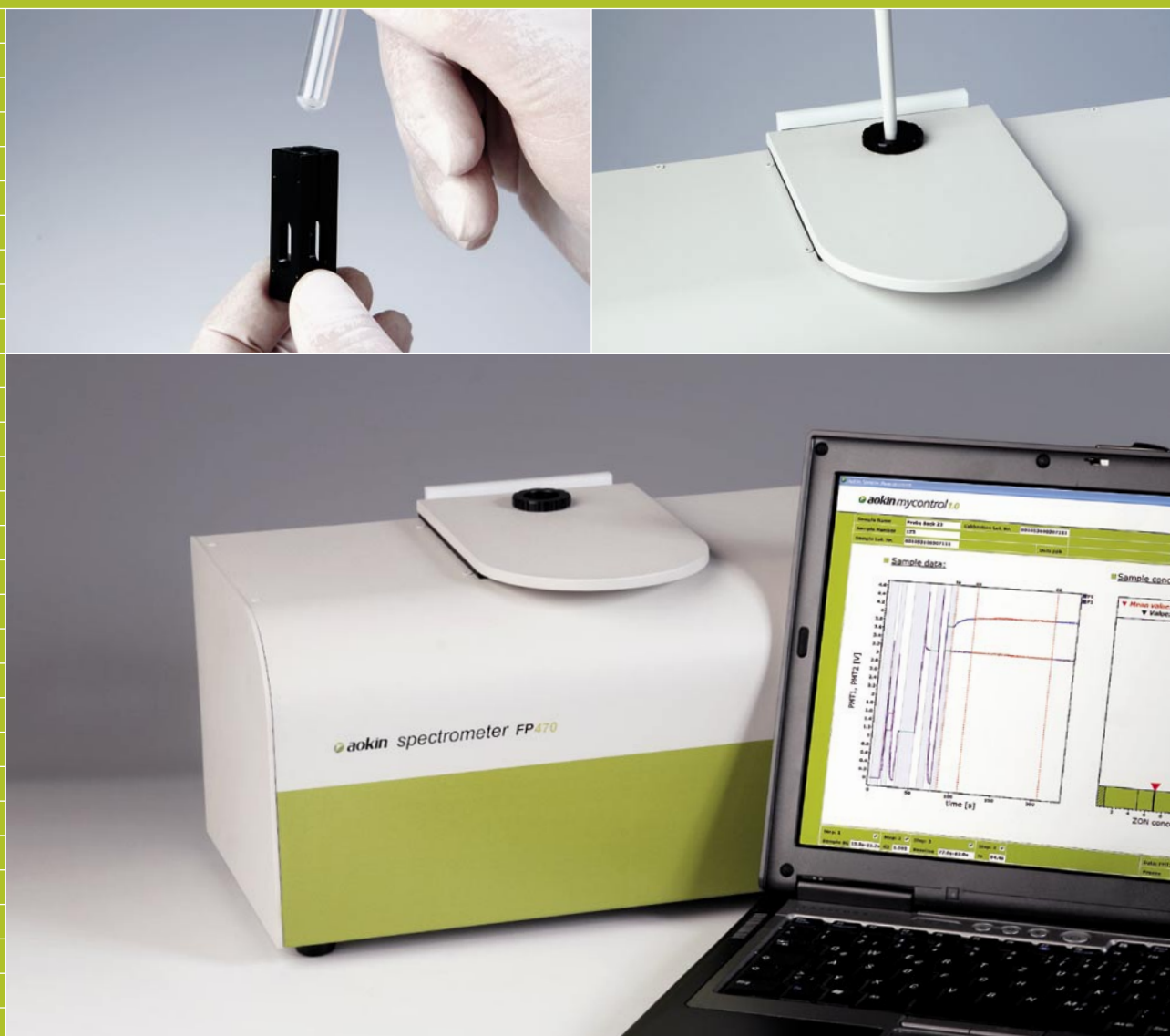


aokin spectrometer **FP470**

Application of the Fluorescence Polarimeter in Quantitative Single Analysis

The **aokin** spectrometer is a compact measuring instrument distinguished by its easy handling and multifunctional applications. It is suitable for routine analysis tests immediately in goods receipt or during the production process as well as for assay development and laboratory analysis.

It can be used together with all **aokin mycontrol** assays as well as with self-developed assays. The control software includes modules designed for carrying out measurements, automatic evaluation of measuring data, calibrating and a specific module designed for research purposes and assay developments.

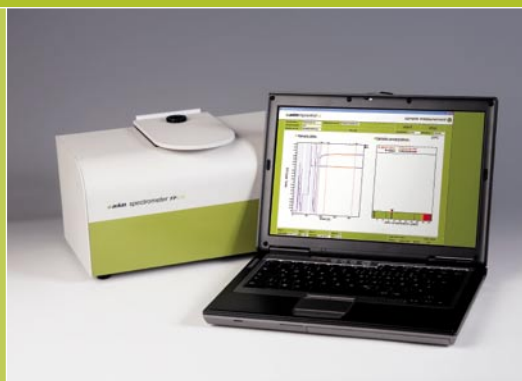


aokin spectrometer **FP470**

aokin spectrometer FP470 (**aokin mycontrol** software incl.)
T-format fluorescence polarimeter with monochromatic excitation and detection, temperature control and magnetic stirrer, suitable for the application of different fluorescence labels.

Technical Data:

Excitation at 470 nm, detection at 520 nm
(adjustment for fluorescein label by the manufacturer)
Voltage: 100-240 V
Dimensions: 366 mm x 190 mm x 220 mm



Order Number: SP-0701

Technology:

The **aokin spectrometer FP470** combines low detection limits with robustness and easy handling, due to the use of modern excitation light sources, a well proven filter technique and highly sensitive detectors. The time-dependent change of the measurement signal is recorded in ms resolution and can be used for further calculations.

The detection mode is infinitely adjustable (e.g. fluorescence, fluorescence polarization). All measurements are statistically as well as kinetically evaluated.

Typical application areas are homogenous fluorescence and fluorescence polarization immunoassays (competitive and non-competitive) as well as studies and evaluations of slow reaction kinetics.

Synthesis-services:

aokin fluorescencelabelsynthesis

Fluorescence labels are essential for the realization of fluorescence immunoassays or fluorescence polarization immunoassays. **aokin** will be glad to assist you in the fluorescence-tagging with fluorescein or the marker of your choice: mycotoxins – hormones – peptides – haptens – proteins.

aokin protein coupling

Immunoassays are based on the reaction of highly specific antibodies with the analyte. It is often necessary to couple analytes (antigens, haptens) to proteins for the production of antibodies. **aokin** carries out coupling reactions using the proteins of your choice: BSA – OVA – etc.

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Subject to alterations, errors excepted. **aokin** AG 10/2007