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40 years ago, CAMAG brought out its first scanner specifically designed for the densitometric evaluation of TLC/HPTLC chromatograms. The scanner was featuring conventional electronics. Evaluation of data was effected via link to an integrator, mostly Spectra Physics.

Around that time, the group of Prof. Siegfried Ebel had already fitted the Zeiss PMQ2 spectrometer with computer control and evaluation. He also computerized the CAMAG Scanner. Computer controlled analytical systems then were rather avant-garde and captured the market only slowly, particularly since several customers had various special requests, and Ebel's group tried to meet such requests whenever possible.

In 1986, CAMAG introduced its own software (Software 86, later CATS) and from that point on CAMAG Scanners were no longer available without computer control.

Described on this page is the most advanced system for densitometry, the CAMAG TLC Scanner 4, operated with *visionCATS*.

News & Events

HPTLC Asia 2018

28–30 November 2018, Bangkok, Thailand

The International HPTLC Symposium will be held in Asia for the first time.

www.hptlc.com

CAMAG *flash*

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CAMAG TLC Scanner 4 – the most advanced workstation for densitometric evaluation of TLC/HPTLC chromatograms



The CAMAG TLC Scanner 4 is controlled by *visionCATS* HPTLC software, which operates all functions and enables optimal evaluation of the measured densitometric data. *visionCATS* guides the user through the evaluation process. From "Definition", where the substances to analyze and the concentration of those substances in the reference vials are defined, over "Integration", where the densitograms and/or image profiles are displayed, and "Calibration", where the best suited regression mode for evaluation via peak height or area is selected, to the final result, where a summary of the amounts/concentrations of each substance in the sample(s) is shown.

Besides single-wavelength scanning, *visionCATS* supports multi-wavelength scanning for quantitative evaluation of differently absorbing substances in one single measuring run. To determine the substance concentration in a sample, five different quantification functions are available. Several scanning steps (e.g. scanning the plate after development and scanning the same plate after derivatization) and up to five different evaluations can be performed in a single analysis. Furthermore, a spectrum scan of each individual substance on the plate including purity testing is possible.

For more information, go to www.camag.com/tlscanner.

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