

CAMAG®

CAMAG® HPTLC PRO

# Module DEVELOPMENT



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# Fully automated sample analysis and evaluation system for routine quality control

The HPTLC PRO Module DEVELOPMENT is part of the CAMAG® HPTLC PRO SYSTEM – the first fully automated HPTLC system worldwide.

The sophisticated developing chamber of the CAMAG® HPTLC PRO Module DEVELOPMENT revolutionizes the development step: its geometry allows for the full control of the gas phase prior to and during chromatography, enabling the Module DEVELOPMENT to obtain highly reproducible analytical results, while the duration of pre-conditioning and activation of the stationary phase are significantly reduced.

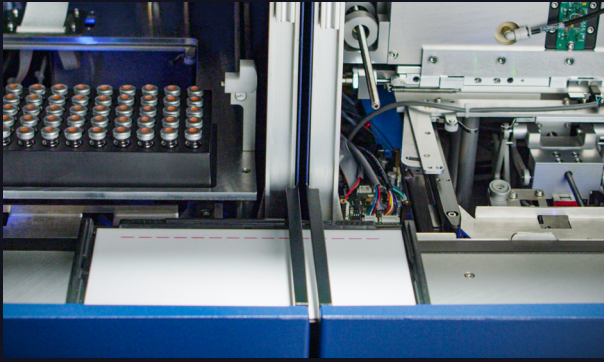
Controlled by the CAMAG® HPTLC Software *visionCATS*, the Module DEVELOPMENT allows for the preparation of several analysis files, which can be executed sequentially, enabling the autonomous development of up to five different HPTLC glass plates (20 × 10 cm) with up to three different developing solvents. Users have the choice to operate a module as stand-alone or as part of the HPTLC PRO SYSTEM. If two or more modules are connected to form a system, a conveyor moves the HPTLC plate from one module to the other.

## KEY FEATURES

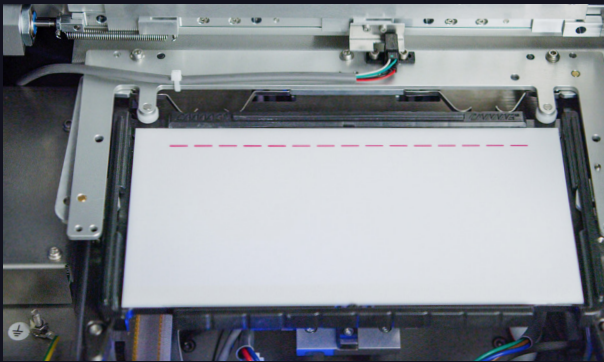
- Part of the fully automated HPTLC PRO SYSTEM
- Development of up to 5 HPTLC glass plates (20 × 10 cm)
- Supports up to 3 different developing solvents
- HPTLC glass plates (20 × 10 cm)
- Software-controlled by *visionCATS*

## KEY BENEFITS

- Low chamber volume for better control of the gas phase
- Fast activation and pre-conditioning of the stationary phase (due to active circulation of the gas phase)
- Full control of the gas phase during development
- Sensor-controlled constant volume of the developing solvent in the chamber during development
- Significant time savings due to active gas phase handling
- Optimized cleaning procedure between different developing solvents
- User-independent reproducibility



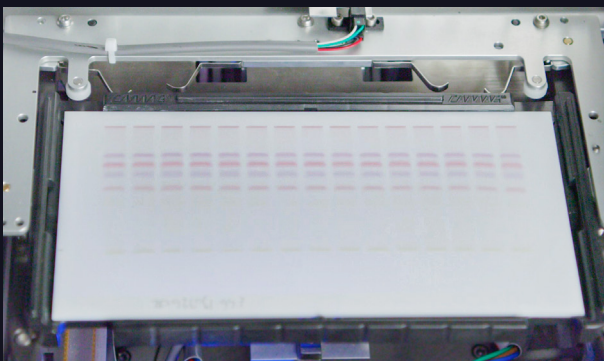
After application of all samples, the plate is moved to the Module DEVELOPMENT.



The plate containing the samples is ready to be loaded into the developing chamber.



The tilting mechanism lifts the plate from its horizontal position to the vertical position in the developing chamber and the plate is developed according to the method chosen.



After processing in the developing chamber, the developed plate is brought back into the horizontal position, ready to be moved from the Module DEVELOPMENT to other modules for further processing.

## TECHNICAL SPECIFICATIONS

Nitrogen or compressed air pressure	5 – 8 bar (73 – 116 psi)
Operating temperature	15 – 30 °C
Recommended working temperature	20 – 25 °C
Plate types	HPTLC glass plates 20 × 10 cm
Operating voltage	100 – 240 VAC; 50 / 60 Hz
Power consumption	70 W
Dimensions (W × D × H)	384 × 550 × 510 mm
Weight	~ 41 kg

## ORDERING INFORMATION

**060.3000**

### **CAMAG® HPTLC PRO Module DEVELOPMENT**

Can be operated either as stand-alone or as part of the fully automated CAMAG® HPTLC PRO SYSTEM. Allows to autonomously develop up to five different HPTLC glass plates with up to three different developing solvents. The gas phase can be actively circulated. Includes 2 Carriers for HPTLC glass plates (20 × 10 cm), and a set of bottles for start-up.