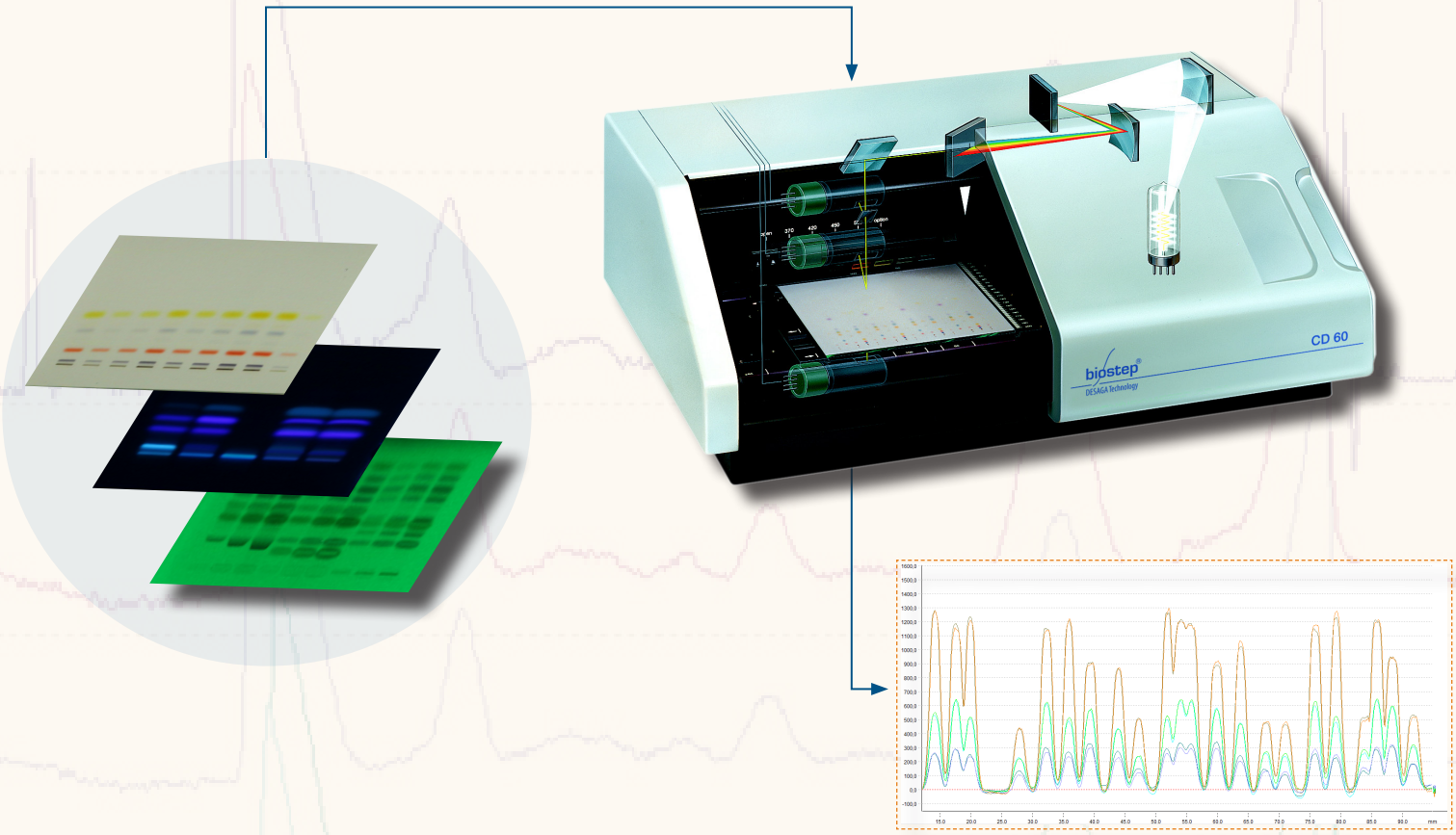
HPTLC-Densitometer CD60

Powerful System for Quantitative Analysis of Thin-Layer Chromatograms



Application | Development | Derivatization | Documentation

For quantitative determination of samples, the HPTLC-Densitometer CD60 converts the spots/bands of the single substances into a chromatogram curve. It measures the absorbance or fluorescence of separated compounds in transmission or reflection mode. The HPTLC-Densitometer CD60 is controlled by ProQuant software which also enables quantitative evaluation of the generated data.

Key Aspects of HPTLC-Densitometer CD60

- Absorbance or fluorescence measurement
- Remission and transmission mode
- For objects up to 265 x 200 x 4 mm
- Automatic starting and switching of filters and lamps
- Rapid data collection and evaluation
- Recording spectra from 190 - 900 nm
- Software-controlled by ProQuant
- Ease of operation
- Reproducible and reliable results
- Meeting the requirements of GMP/GLP

HPTLC-Densitometer CD60

The HPTLC-Densitometer CD60 works within a spectral range of 190 - 900 nm. This is provided by three light sources: a deuterium lamp (190 to 340 nm), a halogen lamp (340 to 900 nm) as well as a mercury lamp. Once the wavelength is selected, the densitometer will automatically start to scan the entire plate. It measures the absorbance or fluorescence reflected or transmitted by each sample. This will be stored in the software in the form of peak tables. These tables consist of Rf values and area of each spot. Therefore, you can carry forward the quantitative evaluation of the generated densitometric data by ProQuant software.

Measurement and Evaluation

Method Types

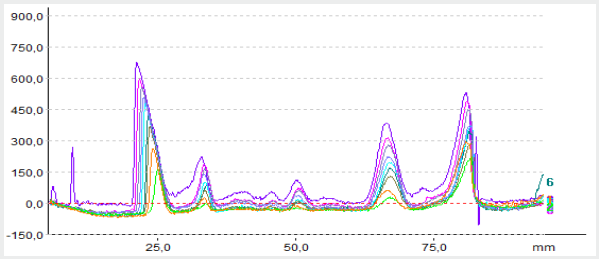
- Method for chromatogram
- Method for multi-wavelength scan
- Method for spectrum

Recording Modes

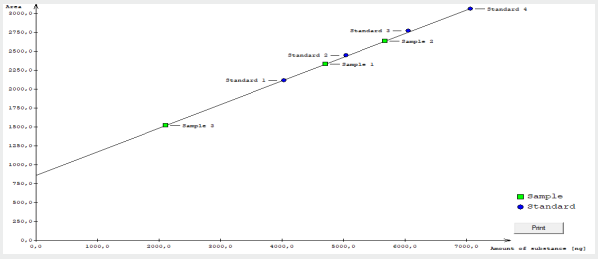
- Remission and transmission
- Absorbance or fluorescence
- Linear and Meander scan
- Two-wavelength measurement
- Multi-wavelength measurement

Results

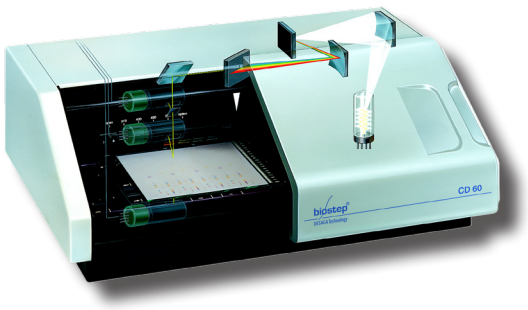
- Peak lists
- Results for sample and standard
- Automatic integration with manual correction facility
- Linear, polynomial or Michaelis-Menten function



Display of measurement curves in ‘Overlay’ mode.



Calibration function used for calculating amount of substances.



Technical Parameters of HPTLC-Densitometer CD60

Object size	Up to 265 x 200 x 4 mm
Spectral range	190 - 900 nm
Filters	370, 420, 450, 550, orange, UV
Max. scan length	5 to 195 mm
Max. scan width	5 to 260 mm
Slit width	0.4 to 10 mm
Slit height	0.02 to 2 mm
Dimensions (W x H x D)	730 x 550 x 300 mm
Weight	30 kg

Ordering Information

BS131.800	HPTLC-Densitometer CD60, 230 V, incl. interface box, software ProQuant
BS131.801	HPTLC-Densitometer CD60, 110 V, incl. interface box, software ProQuant
BS131.816	Software Provalid, program for automatic validation
BS131.830	Software Spectra Calc, program for compilation of spectra libraries
BS131.825	IQ/OQ documents for HPTLC-Densitometer CD60

Distributor

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