biostep®
a brand by bionis

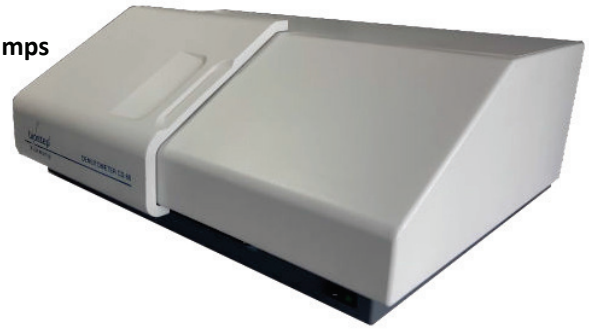
ASPIRE SCIENTIFIC

Reference: BS131.800

SCANNER CD60

HPTLC scanning densitometer

Absorbance or fluorescence measurement
Remission or 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
Automatic background noise correction
Software-controlled by ProQuant
Ease of operation
Reproducible and reliable results



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.
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

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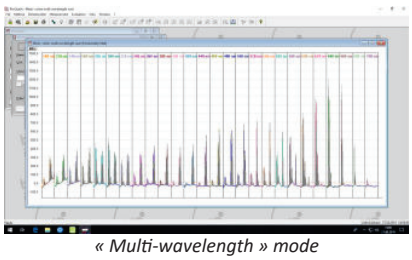
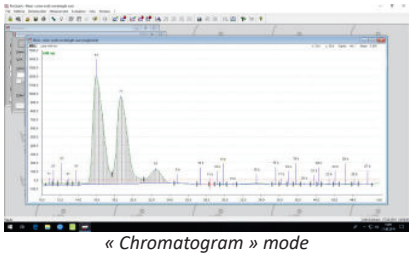
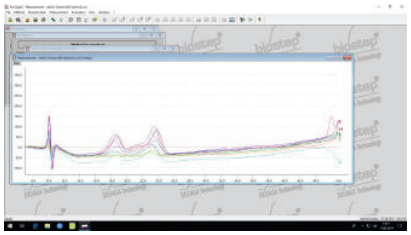
HPTLC SCANNING DENSITOMETER SCANNER CD60

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


« Multi-wavelength » mode


« Chromatogram » mode


« Overlay » mode.

TECHNICAL SPECIFICATIONS

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

REFERENCES FOR ORDER

Reference	Description
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

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