

Thin-Layer Chromatography Scanner

Computer-controlled scanning of TLC plates for quantitative analysis and method development. Continuous UV-visible wavelength selection supports absorption measurements, with fluorescence available as an option.



Technical Information

Model	PT-TLC-001
Wavelength range	200-850 nm
Measurement modes	Absorption; fluorescence optional
Light sources	Deuterium / tungsten-halogen, automatic switching
Grating density	1200 lines/mm
Spectral bandwidth	10 nm
Wavelength accuracy	±1 nm
Minimum spatial resolution	25-50 µm
Plate size	200×200 mm
Scan speed	0-120 mm/s
Operating systems	Windows 7 (32-bit); Windows 10 (64-bit)
Power supply	220 V; 300 W
Communication	USB

Technical Information

Data functions

Automatic source-energy calibration, grating correction, UV spectra, method/user management and preset herbal quantitative methods (2000/2005/2010/2015 editions).

Standard configuration

Main instrument including light sources, grating monochromator, moving platform and USB connection; Tstar-3000 TLC workstation software.

Optional configuration

Fluorescence measurement configuration. Computer supply and additional application accessories must be confirmed.

Selection and ordering

Specify plate format, scan wavelength, detection mode and target method. Legacy preset methods require applicability checks; they are not a certification claim.