

# FastTrack™ UV/VIS Spectroscopy

## Speed Up Your Measurements



**UV5 – simple and fast**  
Spectrum scans within one second, instant instrument readiness, pre-defined direct measurement application types and intuitive One Click touchscreen operation speed up UV/VIS measurement workflows in quality control.



**UV7 – excellent performance**  
Superior optical performance compliant with strict Ph.Eur. and USP Pharmacopeia regulations, advanced automation routines and pre-verified METTLER TOLEDO methods are ideal conditions for reliable measurements in regulated industries.



**Compact Modularity**  
The instrument has an optimized and neat footprint without compromising convenient cuvette handling; cuvette holders and CuvetteChanger are easily accessible in an open sample area and the FillPaIMini pump can be secured on either the left or right of the housing.



### UV5 and UV7 Spectrophotometers

#### UV/VIS Excellence Line

The UV5 and UV7 Excellence instruments optimize spectroscopic workflows effectively. FastTrack™ technology makes for speedy and reliable measurements. Trustworthy spectroscopic performance is combined with intuitive and efficient One Click™ operation. The UV5 provides simplicity in UV/VIS spectroscopy with easy direct measurement applications. The UV7 performance complies with strict EU and US Pharmacopeia requirements and provides advanced automation possibilities based on METTLER TOLEDO methods. UV/VIS spectroscopy was never so easy and reliable to use thanks to:

- UV5 – simple and fast
- UV7 – excellent performance
- Compact modularity
- Direct measurements and methods



#### Direct measurements and methods

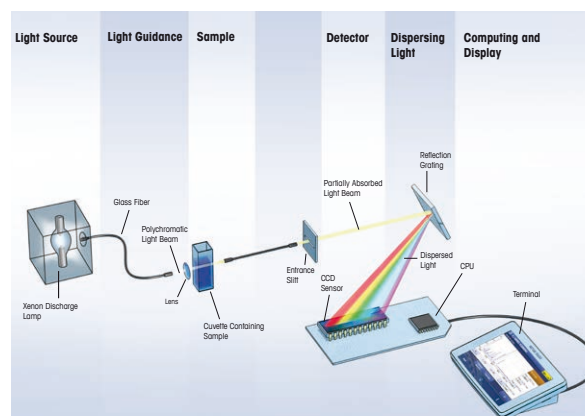
Typical UV/VIS applications can be started simply as direct measurements. Pre-verified, industry-specific-METTLER TOLEDO methods can be used for instant analyses or adapted with the intuitive editor to meet specific automation workflows. Both direct measurements and dedicated methods can be started by One Click shortcuts.

# FastTrack™ Technology

## Superior Performance by Design

### Measure accurately and fast

- Unique system design with excellent optical performance
- Pulsed Xenon flash lamp and 2048 channel CCD array detector for full spectrum scan within 1 second
- State-of-the-art, long-life Xenon lamp for stable, repeatable and sustainable measurement conditions
- Quartz glass fibers guarantee excellent signal to noise ratio thanks to optimal light guidance and yield
- Robust design and compact layout without moving parts
- Always ready for measurement, no warm-up time needed
- Open sample area for efficient cuvette handling



**FastTrack technology**  
Brings the light on the fast track

## Feature and technical comparison UV5/UV7 Excellence Line

	Feature / Parameters	UV5	UV7
<b>FastTrack™ technology</b>	Pulsed Xenon flash lamp, CCD array detector	•	•
<b>Optical performance</b>	Wavelength range [nm]	190–1100	190–1100
	Resolution (toluene in hexane abs.)	> 1.5	> 1.9
	Wavelength accuracy (holmium oxide) [nm]	± 1.0	± 0.8
	Photometric accuracy (potassium dichromate) [A]	± 0.01	± 0.01
	Stray light at 198 nm (potassium chloride) [A]	> 2	> 2
	Minimal scan time full range [s]	1	1
<b>One Click™ UV/VIS spectroscopy</b>	Shortcuts per user	12	12
<b>Automation</b>	Peristaltic pump FillPalMini	•	•
	CuvetteChanger	•	•
	CertiRef™ automatic performance verification	•	•
<b>Applications &amp; Methods</b>	Direct measurements	•	•
	Pre-defined METTLER TOLEDO methods	-	> 12
	Method editor	•	•
	Max. number of methods	20	100
<b>Results</b>	Number of results stored in instrument	20	100
	Result storage on USB stick	•	•
	Result transfer via TCP on remote PC	•	•
<b>PC software</b>	LabX® UV/VIS software	•	•
<b>Languages</b>	English / German / French / Spanish / Italian / Chinese / Russian / Portuguese		
<b>Connectivity</b>	USB memory stick storage of results at terminal	•	•
	USB devices (bar code reader, printer)	•	•
	Ethernet (PC, network printer)	•	•
<b>Terminal</b>	7" QVGA Color TFT 800 x 480 resolution touch sensitive screen	•	•
<b>Instrument dimensions</b>	Width x depth x height (without terminal) [mm]	208 x 255 x 228	
	Weight incl. terminal [kg]	6.4	



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For more information

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