3-in-1 Spectrophotometer
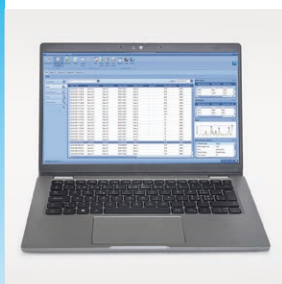## Compact, Versatile and Efficient

Measurement versatility
Conventional spectrophotometry, color measurements, and water analyses can be performed using one instrument. This saves bench space and reduces your investment in equipment and service. Exchangeable XPathHolders™ allow you to shift quickly between seven different path lengths to suit a wide application and concentration range.

Efficient accuracy
Photometric data is automatically calculated using pre-programmed methods so you obtain results quickly (e.g. concentration or tristimulus values). Methods that are compliant to standards such as ASTM, DIN, ISO, and EPA eliminate the need for post-measurement calculation and data transcription to achieve accurate results efficiently.

Data management
Data acquisition, storage, and display are efficiently performed by EasyDirect™ UV/VIS PC software. Result data can also be automatically exported to a memory stick or integrated into an external centralized data management system (e.g. LIMS).

Verified, up-to-date methods
Software updates, competent application support, and verified methods allow you to update the instrument to support new analytical needs. EasyDirect™ customers receive an automated notification when a new update is available for download.

Intuitive operation
The intuitive user interface with workflow guidance and integrated tutorials allow you to simply plug-and-measure. Additional functions such as closing the SmartLid™ to automatically start the measurement, increase productivity, and avoid time-consuming task repetition.

EasyPlus UV/VIS
Your basic, compact all-rounders

Easy UV and Easy VIS instruments both offer 3-in-1 functionality and are designed to greatly facilitate routine spectroscopic workflows. The instruments are simple and easy-to-use and assure accurate, repeatable measurements. Built-in methods also eliminate calculation and transcription errors. These versatile instruments help you:

- Save space. The compact design similiar to an A4 paper reduces clutter on your lab bench
- Enjoy fast, compliant color measurement. Includes 30 color scales (e.g. CIELAB, APHA, Gardner, etc.)
- Avoid errors. PathDetect™ securely checks the path length so your results are accurate
- Test water quickly. The SQKitReader™ accessory unlocks over 150 Spectroquant® water test kit methods
- Access methods easily. Built-in features such as a favorite list and LongClick™ speed up routine analyses
- Clean up quickly thanks to a washable drip tray

METTLER TOLEDO

Technical Specifications and Functionalities

EasyPlus UV/VIS		Easy UV	Easy VIS
Model		UV/Vis	Vis
Light source		Xenon flash lamp	Tungsten lamp
Detector		Dual silicon photodiodes	
Optical system		Dual beam with reference detector	
Spectral bandwidth (SBW) [nm]		3	4
Photometric display range [A]		−3.0 ... +5.0	
Photometric accuracy [A]	at 0.5 A	± 0.002	
	at 1.0 A	± 0.005	
	at 2.0 A	± 0.005	
	at 2.5 A	± 0.010	
Photometric repeatability at 1 A (neutral density filter) [A]		≤ 0.001	
Wavelength range [nm]		190–1,000	330–1,000
Wavelength accuracy (holmium oxide) [nm]		± 1.5	
Wavelength repeatability (holmium oxide) [nm]		≤ 0.5	
Stray light [%T]	at 340 nm (sodium nitrite)	≤ 0.1	≤ 0.1
	at 220 nm (sodium iodide)	≤ 0.5	–
	at 198 nm (potassium chloride)	≤ 2.5	–
Scanning speed [nm/min]		max 2,000	max 2,800
Noise [A]	at 0 A	≤ 0.001	
	at 1 A	≤ 0.002	
	at 2 A	≤ 0.004	
Drift [A/h]		≤ 0.002	
Baseline flatness [A]		± 0.003	
Applications and methods	Max. user-defined methods	80	
	Built-in color scales (e.g. CIELAB)	30	25
	Spectroquant® [1] Water Testing Methods [2]	Covers all test kits (>150 methods)	
Number of user-defined methods in favorite list		10	
Firmware and method upgrade		Free and available on METTLER TOLEDO website	
Automatic path length detection		Enabled	
PC software [3]		EasyDirect™ UV/VIS	
Result	Automatic export to USB (.csv file)	Enabled	
	Automatic export to EasyDirect (.xml file)	Enabled	
Cuvette dimensions supported by the XPathHolders™		10, 16, 20, 30, 40, 50 mm and 1 inch	
Display		4.3" capacitive touchscreen	
Connectivity	USB-A	× 3 (keyboard, mouse, barcode reader, printer)	
	USB-B	× 1 (EasyDirect™ PC software)	
	Pogo Pin	× 1 (SQKitReader™ for water testing methods)	
Languages		Bahasa Indonesia, Chinese, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Spanish, Thai, Turkish	
Dimensions (width × depth × height mm)		201 × 362 × 176 (7.9 × 14.2 × 6.9 inches)	
Weight (kg)		4.25	
Power requirements		AC to DC converter included, 100–240 V, 50–60 Hz	

Instruments, Accessories and Consumables

Material Description	Order Number
Spectrophotometer Easy UV	30705169
Spectrophotometer Easy VIS	30705170
SQKitReader™ for Spectroquant® [1] water testing	30705183
EasyDirect™ UV/VIS PC software [3] (license for 1 instrument)	30657871
EasyDirect™ UV/VIS PC software [3] (license for 5 instruments)	30657877
USB transfer cable EasyDirect™ UV/VIS PC Software	51191926
Handheld barcode scanner	21901297
USB cable for handheld barcode scanner	21901309
Printer USB-P25	30702998

Material Description	Order Number
Cuvette carousel XPathHolder 10/16 mm	30705122
Cuvette carousel XPathHolder 20/30 mm	30705123
Cuvette carousel XPathHolder 40/50 mm/1″	30705124
Cuvette standard O optical glass 10 mm, matched pair	30675053
Cuvette standard O optical glass 50 mm, matched pair	30675054
Cuvette standard Q quartz glass 10 mm, matched pair	30675051
Cuvette standard Q quartz glass 50 mm, matched pair	30675052
Tungsten Lamp Set Easy VIS	30705148
Drip Tray EasyPlus UV/VIS	30705156

[1] Spectroquant® is a trademark of Merck KGaA, Darmstadt, Germany.
[2] SQKitReader™ is required and needs to be purchased separately.
[3] Only supported by instrument firmware version 1.1.00 or later.

www.mt.com/EasyPlus-UVVIS

For more information