

## 3-in-1 Spectrophotometer

### Compact, Versatile and Efficient



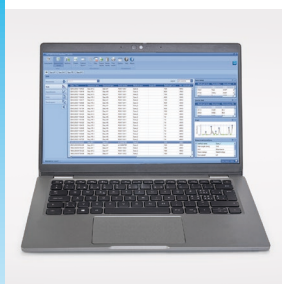
#### Measurement versatility

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:

- 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.
- Fast and flexible water testing: The SQKitReader™ accessory provides access to over 150 Spectroquant® water test kit methods. ScanStart™ bundles, including a barcode scanner, are the flexible solution for using NANOCOLOR® test kits.
- 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.

## 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
	NANOCOLOR® <sup>1)</sup> water testing methods	Free and available on METTLER TOLEDO website	
	Spectroquant® <sup>2)</sup> water testing methods	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		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	Material Description	Order Number
Spectrophotometer Easy UV	30705169	Printer USB-P25	30702998
Spectrophotometer Easy VIS	30705170	Cuvette carousel XPathHolder 10/16 mm	30705122
Spectrophotometer Easy UV ScanStart™ <sup>3)</sup>	30997809	Cuvette carousel XPathHolder 20/30 mm	30705123
Spectrophotometer Easy VIS ScanStart™ <sup>3)</sup>	30997810	Cuvette carousel XPathHolder 40/50 mm/1"	30705124
SQKitReader™ <sup>4)</sup> for Spectroquant® water testing	30705183	Cuvette standard O optical glass 10 mm, matched pair	30675053
EasyDirect™ UV/VIS PC software (license for 1 instrument)	30657871	Cuvette standard O optical glass 50 mm, matched pair	30675054
EasyDirect™ UV/VIS PC software (license for 5 instruments)	30657877	Cuvette standard Q quartz glass 10 mm, matched pair	30675051
EasyDirect™ UV/VIS PC software USB transfer cable	51191926	Cuvette standard Q quartz glass 50 mm, matched pair	30675052
Handheld barcode scanner	21901297	Tungsten Lamp Set Easy VIS	30705148
		Drip Tray EasyPlus UV/VIS	30705156

<sup>1)</sup> NANOCOLOR® is a trademark of Macherey-Nagel GmbH & Co. KG, Düren, Germany.

<sup>2)</sup> Spectroquant® is a trademark of Merck KGaA, Darmstadt, Germany.

<sup>3)</sup> Needed for NANOCOLOR® workflow.

<sup>4)</sup> SQKitReader™ is required and needs to be purchased separately.

### METTLER TOLEDO Group

Analytical Instruments  
Local contact: [www.mt.com/contacts](http://www.mt.com/contacts)

Subject to technical changes.

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