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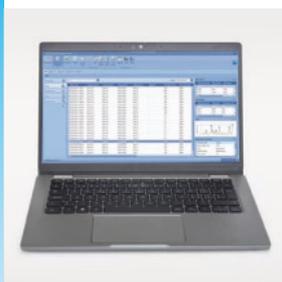
**Data management**
Data acquisition, storage, and display are efficiently performed by EasyDirect™ UV/VIS PC software. Result data can also be automatically exported to a memory stick or integrated into an external centralized data management system (e.g. LIMS).

**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 | Material Description | Order Number |
|---|---|---|---|
| Spectrophotometer Easy UV | 30705169 | Cuvette carousel XPathHolder 10/16 mm | 30705122 |
| Spectrophotometer Easy VIS | 30705170 | Cuvette carousel XPathHolder 20/30 mm | 30705123 |
| SQKitReader™ for Spectroquant® [1] water testing | 30705183 | Cuvette carousel XPathHolder 40/50 mm/1" | 30705124 |
| EasyDirect™ UV/VIS PC software [3] (license for 1 instrument) | 30657871 | Cuvette standard O optical glass 10 mm, matched pair | 30675053 |
| EasyDirect™ UV/VIS PC software [3] (license for 5 instruments) | 30657877 | Cuvette standard O optical glass 50 mm, matched pair | 30258737 |
| USB transfer cable EasyDirect™ UV/VIS PC Software | 51191926 | Cuvette standard Q quartz glass 10 mm, matched pair | 30675051 |
| Handheld barcode scanner | 21901297 | Cuvette standard Q quartz glass 50 mm, matched pair | 30675052 |
| USB cable for handheld barcode scanner | 21901309 | Tungsten Lamp Set Easy VIS | 30705148 |
| Printer USB-P25 | 30702998 | 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