

Smart UV/VIS Accessories

Optimize Your Spectroscopic Workflow



Cuvettes for all purposes

Cuvettes and holders are available for a comprehensive range of applications. They support various path lengths, sample volumes and transmittances in the UV and visible region. The high purity glass complies with the EN 10204 regulation. Accurate and reliable absorption measurements are ensured.



Automated cuvette changing

The CuvetteChanger allows efficient automatic measurement of series of up to 8 cuvettes for both standard measurements with blank subtraction or complex kinetic applications. An external thermostat makes it possible to cool and to heat the cuvettes within a range of 10–80 °C.



Automatic sampling

Sample loading is easily automated with the FillPalMini, which pumps the sample safely and quickly into the flow cuvette. It can also be used for sample recovery and cleaning the cuvette. With the flow cuvette UV/VIS Excellence instruments can be integrated into a multiparameter workstation with a titrator, density meter or refractometer.



Automatic performance check

The fully automatic CertiRef™ and LinSet modules offer performance tests according to Pharmacopeia (Ph.Eur. or USP) such as resolution, photometric and wavelength accuracy, photometric linearity, and stray light. Certified reference materials traceable to NIST are used and a comprehensive report documents all results.



Fiber Probe Adapter

Bring spectroscopy to the sample, preventing time-consuming sample transfer and manual cuvette cleaning whilst improving operation safety. The adapter allows to connect a wide range of commercially available optical fiber immersion probes, thanks to the standardized SMA connectors. This allows you to choose the right probe for the job.



Smart Accessories for the UV/VIS Excellence Line

High precision cuvettes and holders fulfill the strictest manufacturing specifications and thus contribute to accurate and reliable results. Workflow efficiency and security can be significantly improved with the CuvetteChanger and the FillPalMini peristaltic pump. The precise and fast movement of the CuvetteChanger and fast UV/VIS measurement is ideal for efficient high sample throughput. The CertiRef and LinSet modules perform fully automated performance checks of the UV/VIS Excellence instrument. This is especially important in regulated environments. Both the CertiRef and the CuvetteChanger modules can be permanently installed on top of the UV7, UV5, and UV5Bio instruments. All automation accessories for the UV/VIS Excellence line are Plug and Play devices i.e. the instrument automatically recognizes them once they are plugged in.

UV/VIS Accessories Overview

Cuvettes and holders	Specifications	Order Number
Macro cuvette, 10 mm pathlength	Optical glass, 320–2500 nm, PTFE lid	30258736
Macro cuvette, 50 mm pathlength	Optical glass, 320–2500 nm, PTFE lid	30258737
Macro cuvette, 10 mm pathlength	SUPRASIL quartz glass, 200–2500 nm, PTFE lid	30258738
Macro cuvette, 50 mm pathlength	SUPRASIL quartz glass, 200–2500 nm, PTFE lid	30258739
Micro cuvette, 10 mm pathlength, 700 µL vol	SUPRASIL quartz glass, 200–2500 nm, PTFE lid	30258740
Flow cell, 10 mm pathlength, 440 µL vol	Quartz glass, 170–2700 nm, M6 connectors	30258741
1 cm cuvette holder	Enables mounting of 10 mm standard cuvettes (standard delivery of UV7, UV5, UV5Bio)	30236314
Base holder plate	Plate required to mount long pathlength cell holder and solid sample holder	30236315
Long pathlength cell holder	Enables mounting of cuvettes with path lengths ranging from 10–50 mm	30254738
Solid sample holder	Enables measuring of solid sample films	30258692
Fiber Probe Adapter	Enables the connection of optical fiber immersion probes	30526548
Test tube holder*	Enables mounting of 13–16 mm diameter round cuvettes for Water Testing	30559260
CuvetteChanger	Specifications	Order Number
CuvetteChanger	8 x 10 mm cuvette positions, thermostatable	30236313
Thermostating unit (LAUDA)	Lauda Loop L100, temperature range: 10–80 °C EU China UK Switzerland Australia USA	LAUDA order # L000027 L002012 L002014 L002016 L002018 L002010
Connector set (LAUDA)	Includes tube connectors and tubes for connection of a LAUDA thermostating unit to the CuvetteChanger	LAUDA order # LSOZ 1371
InMotion Sample Changer	Specifications	Order Number
InMotion Flex Bundle	Includes the base, rack, and all necessary accessories, complement with the tubing kit	30094290
InMotion Flex Base Kit	InMotion Flex base, contains pumps and tubes, rack not included	30094291
InMotion Pro Base Kit	InMotion Pro base, contains pumps and tubes, rack not included	30094292
InMotion Max Base Kit	InMotion Max base, contains pumps and tubes, rack not included	30094293
Tubing kit	Specifications	Order Number
Tube Set UV/VIS InMotion	Tubing kit to connect the flow-through cell to the InMotion sample changer. Works for all InMotion configurations	30399071
TV6 Valve	Reverses the flow in a process to clean filters, fill and empty cells from the bottom, or clean filters in an inline process	30026544
Temperature control	Specifications	Order Number
CuveT	Thermostating unit for UV7, UV5Bio and UV5 spectrophotometers	30361677
Pump	Specifications	Order Number
Peristaltic pump FillPalMini	4 rolls peristaltic pump, SANTOPRENE peristaltic pump tube, 2.06 mm inner diameter (set of 2), includes tube set to connect to flow cell, can be operated in 2 pump directions at varying pump speeds	30254735
Data input, user identification	Specifications	Order Number
Barcode reader	Handheld, USB connection	21901297
LogStraight™ fingerprint reader	Biometric user identification, USB connection	51192107
Automatic performance verification	Specifications	Order Number
CertiRef™ EUP	Includes certified reference materials to perform automatic calibrations according to pharmacopeia regulation (for UV7, UV5, UV5Bio). Covered tests: Stray light (KCl, SWM); Resolution (Tol-Hexane); Wavelength accuracy and repeatability (Holmium oxide), photometric accuracy and repeatability (UV range with nicotinic acid)	30254732
CertiRef™ USP	Includes certified reference materials to perform automatic calibrations according to pharmacopeia regulation (for UV7, UV5, UV5Bio). Covered tests: Stray light (KCl, SFRM); Resolution (Toluene-Hexane); Wavelength accuracy and repeatability (Holmium oxide), photometric accuracy and repeatability (UV range with PDC)	30254733
LinSet™ PDC	Includes certified reference materials to perform automatic calibrations according to pharmacopeia regulation (for UV7 only). Covered tests: Photometric linearity (UV range with PDC); photometric linearity (Vis range with ND filters); photometric accuracy and repeatability (Vis range with ND filters)	30564229
LinSet™ Niacin	Includes certified reference materials to perform automatic calibrations according to pharmacopeia regulation (for UV7 only). Covered tests: Photometric linearity (UV range with nicotinic acid); photometric linearity (Vis range with ND filters); photometric accuracy and repeatability (Vis range with ND filters)	30564230

* Only available in certain countries



METTLER TOLEDO Group
Analytical Division
Local contact: www.mt.com/contacts

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