

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™ performs all tests required to comply with Pharmacopeia (Ph.Eur. or USP) such as resolution, photometric and wavelength accuracy, and stray light. Certified reference materials traceable to NIST are used and a comprehensive report documents all results.



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 module performs fully automatic 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

CuvetteChanger	Specifications	Order Number
CuvetteChanger	8 x 10 mm cuvette positions, thermostatable	30236313
Thermostating unit (LAUDA)	LAUDA ECO RE 415 S/B (M16 x 1), temperature range: 10–80 °C 230 V; 50 Hz 220 V; 60 Hz 115 V; 60 Hz 100 V; 50/60 Hz	LAUDA order # LSO 1371 LSO 2371 LSO 4371 LSO 6371
Connector set (LAUDA)	Includes tube connectors and tubes for connection of a LAUDA thermostating unit to the CuvetteChanger	LAUDA order # LSOZ 1371

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 7 certified reference substance solutions and respective blank solvents sealed in mini cuvettes to perform automatic calibrations according to the Ph.Eur. 8.0 regulation (for UV7, UV5, UV5Bio) - Stray light (aqueous KCl solution, water blank) - Resolution (toluene in hexane, hexane blank) - Wavelength accuracy and repeatability (holmium oxide in perchloric acid) - Photometric accuracy and repeatability (potassium dichromate 60 mg/L in perchloric acid, perchloric acid blank) - Photometric noise, photometric drift/stability, baseline flatness	30254732
CertiRef™ USP	Includes 7 certified reference substance solutions and respective blank solvents sealed in mini cuvettes to perform automatic calibrations according to the USP 39 regulation (for UV7, UV5, UV5Bio) - Stray light (aqueous KCl solution, 0.5 and 1 cm pathlength) - Resolution (toluene in hexane, hexane blank) - Wavelength accuracy and repeatability (holmium oxide in perchloric acid) - Photometric accuracy and repeatability (potassium dichromate 60 mg/L in perchloric acid, perchloric acid blank) - Photometric noise, photometric drift/stability, baseline flatness	30254733



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For more information

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