

Press Release

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New spectrophotometer series

High-precision analysis for a multitude of samples

European premiere at EUROanalysis conference in Belgrade

UV-2600 and UV-2700 with “best in class” performance /

Focussing highly sophisticated applications /

New optical system with “LO-RAY-LIGH[®]” diffraction grating

Shimadzu, one of the worldwide leading manufacturers in analytical instrumentation, has launched a new series of scanning spectrophotometers: the UV-2700, a true double beam double monochromator system and the UV-2600 single monochromator version. From September 11-15, the system will be shown at the EUROanalysis conference in Belgrade. The new compact spectrophotometers enable high-precision spectral analysis of a wide range of samples including organic and inorganic compounds, biological samples, optical materials and photovoltaics.

The systems underline Shimadzu's role as the market leader in UV-VIS-NIR spectroscopy, setting milestones in spectrophotometry technology for almost 60 years. The UV-2600 and UV-2700 offer “best in class” performance in stray light, photometric range and scan speed. At just 45 x 60 cm the footprint of the instruments has been decreased by 28 % in comparison to the previous UV-2450 and UV-2550 models.

Surfing different waves for highly sophisticated applications

The UV-2700 covers a wavelength range from 185 to 900 nm and is perfect for highly sophisticated applications such as direct measurement of high density samples up to 8 absorbance units without dilution. The high performance level of the optical system is achieved with Shimadzu's "LO-RAY-LIGH[®]" diffraction grating, based on a new holographic method featuring highest efficiency and exceptionally low stray light.

Where the ultra-low stray light levels of the UV-2700 are not needed, the UV-2600 single monochromator version is available. Combined with the ISR-2600 Plus dual detector integrating sphere, it allows a measuring range up to 1,400 nm giving access to the determination of optical material or expanded research of photo-voltaics.

Widest scope of accessories and new software

For both systems, a large selection of new accessories is available, such as a mercury lamp unit for validation and a single and dual detector integrating sphere. Together with the MPC-2600 multipurpose large-sample compartment they enable measurement of samples with a wide variety of shapes. Various cell holders such as the constant-temperature, film and the powder sample cell can also be mounted, enabling a wide range of measurement possibilities.

The instrument is controlled by the new UVProbe software version 2.40. Optional software packages are available for color, thickness and T_m analysis. For pharmaceutical and other applications requiring hardware validation, the UV-2600/2700 series provides integrated validation software as standard. USP, EP and JP test requirements are supported. The UV-2600 and UV-2700 are equipped with standard USB ports for easy data input or output.



Image 1: UV-2700 double beam double monochromator UV-VIS spectrophotometer

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