

Press Release

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Market premiere at Analytica 2008 'Spectracular' workhorse for routine UV-VIS analysis

UV-1800 spectrophotometer – the new perfect all-rounder

Shimadzu, one of the world leaders in analytical instrumentation, has released a new workhorse onto the fields of spectroscopy. The new UV-VIS spectrophotometer UV-1800 achieves the highest resolution in its class of 1 nm, and easily satisfies the requirements of the European Pharmacopoeia. The UV-1800 is suitable for water analysis and quality control in environmental laboratories as well as in food and pharmaceutical industries.

The optical system using a blazed holographic grating with a Czerny-Turner monochromator is compactly designed to provide highest light throughput. Stray light, wavelength repeatability and baseline stability have also been advanced to meet user requirements in the laboratories of many industries.

The new Shimadzu UV-1800 is the follow-up model to the successful UV-1700. Due to its very small footprint, the UV-1800 is one of the most compact instruments in its class and allows installation even in tight spaces. In comparison to the UV-1700, the required space has decreased by about 20 %.

The UV-1800 is designed as a perfect all-rounder and can be used either as stand-alone or as a PC-controlled instrument. The onboard software includes photometric measurements, spectrum scan, quantitation, kinetics and biomethods. Based on its new compact design and improved performance specifications, the UV-1800 has been developed to be even more user-friendly.

USB memory can be connected directly to UV-1800. Users can analyze data on a PC using UVProbe software. In addition, data for spectra and time-course curves can be displayed and saved with commercial spreadsheet software. Printing is possible using printers supporting ESC/P, PCL, and USB I/F control codes. Using UVProbe software (provided as standard with this instrument) enables control of the UV-1800 with a PC.

Caption: A workhorse with a small footprint serving food and pharmaceutical industries, and in particular water analysis and quality control.

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