

## V-770 UV-Visible/NIR spectrophotometer



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The V-770 UV-Visible/NIR spectrophotometer features a unique single monochromator design for maximum light throughput with excellent absorbance linearity. A PMT detector is used for the UV to visible region and a Peltier-cooled PbS detector for the NIR region.

## Operating Systems

The V-770 UV-Visible/NIR spectrophotometer is operated using Spectra Manager™ Suite, the innovative cross-platform spectroscopy software, is compatible with Windows 7 Pro (32- and 64-bit) and Windows 8.1 operating systems.

For simple operation, the handheld iRM has a great look and feel with a color touch-sensitive screen. Data can also be downloaded to Spectra Analysis on a PC further PC data processing.

The V-700 Series has a growing list of software applications for both Spectra Manager™ and iRM. If you have an application which you don't see listed, please let us know as we may already have it or we can prepare an application designed specifically for your requirements.

Both interfaces offer full system control and advanced data processing. Spectra Manager™ CFR is the 21 CFR part 11 compliant version of software and is available as an option.

## System Features

### IQ Accessory and IQ Start

IQ Accessory provides automated accessory recognition with identification of the accessory within a method. The spectral data files include instrument and accessory information. IQ Start together with the Start Button on the front of the instrument can be used to start a method to make sample measurements routine.

### Wavelength Range from UV to NIR

The V-770 measures the wavelength range of 190 to 2700nm (option 3200nm). The single monochromator design offers a significantly higher energy throughput than a

double-monochromated design resulting in a better S/N ratio over the entire spectral range, even with narrow spectral bandwidth. The gratings and detectors switch-over can be set to change automatically between 800-900nm .

## Accessories

An extensive range of accessories is available for the V-700 Series UV-Visible-NIR spectrophotometers for virtually any biological, material science or routine QA/QC measurement. Some accessories are common across the V-700 Series can only be used with specific models. Refer to the instrument brochure for details about the accessories.

Options include liquid cell holders, micro and ultra-micro cell holders, flow cells and accessories for solid samples. More advanced accessories include: automated cell changers, sippers, integrating spheres, absolute reflectance accessories and temperature control systems.