20/30PV[™]

Microspectrophotometer The Perfect Vision[™] for cutting-edge analysis



The innovative 20/30 PV[™] Microspectrophotometer sets a new standard for UV-visible-NIR microspectroscopy. The cutting-edge technology of the 20/30 PV[™] allows the user to take both spectra and images of microscopic sample areas by absorbance, reflectance, Raman, fluorescence and other types of luminescence. With a spectral range from the deep ultraviolet to the near infrared for both imaging and spectroscopy, advanced spetral and image analysis software, automation features, easeof-use and long term reliability, the 20/30 PV[™] Microspectrophotometer is the perfect tool for the production floor or laboratory.

Highly sensitive solid-state array detectors are optimized and cooled thermoelectrically for high signal-to-noise ratios and long term stability. High resolution digital imaging can be used to collect UV and NIR in addition to color images. Sophisticated software that controls the microscope, spectrophotometers and the digital imaging while providing advanced analytical capabilities including thin film thickness measurement. The 20/30 PV[™] Microspectrophotometer represents the new state-of-the-art for UV-visible-NIR microspectrophotometers.

20/30 PV[™] Key Features:

- Full UV-visible-NIR microspectroscopy in absorbance, transmission, reflectance, fluorescence and emission.
- Raman microspectroscopy with numerous laser wavelengths offered
- UV, visible and NIR imaging capabilities
- Calibrated variable sampling areas with Abso lute Reproducibility
- Dual Reflectance and Transmittance Calibration Standards traceable to NIST

20/30 PV[™] Microspectrophotometer

Microspectroscopy Stages Manual XY Rotating & XY, 360deg/30mm x 40mm

Semi-Rotating	stage, u	p to	240dea

Programmable XY Stage



Spectrometer Packages
High Resolution 200-1000nm
High Sensitivity 200-900nm
Standard Range NIR 900-1700nm
Extended Range NIR 900-2100nm
Standard UV-Visible-NIR 200-1700nm
Extended UV-Visible-NIR 200-2100nm

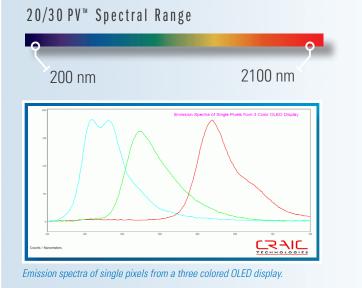






Illumination Packes

- UV-VIS-NIR Transmittance/ Absorbance
- UV-VIS-NIR Reflectance
- UV-VIS-NIR Fluorescence
- UV-vis-NIR Polarization
- Laser Adapter Available



$20/30 \, PV^{\text{TM}}$ specifications

200 to 900 nm	
Up to 2100 nm	
Deep UV to NIR	
300 to 1000 nm	
254 to 546 nm	
Variable from 1 to 10000 microns ²	
User selectable from 1 to 15 nm	
CCD and InGaAs Arrays	
Thermoelectric	
4 millisecond minimum	
Included	
Up to 5.0 megapixels available	
Available	
Available	
Windows 7 Pro, Windows 8	

Calibration Standards	System Software	Accessories	
Transmittance Standards traceable to NIST	□ rIQ [™] Glass Refractive Index	Quartz Slides and Coverslips	
Reflectance Standards traceable to NIST	Spectral 3D Mapping	CRAIC Certified Lamps	
White Diffuse Reflectance Standard traceable to NIST	Thin Film Thickness Measurement	Quartz Wellplates	
Vitrinite Coal Reflectance Standards	☐ TimePro Kinetics™	Specular Reflectance Material	
Fluorescence Standards	Colorimetry]	
	Statistical Analysis		



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