Kinetics?

Absorption spectroscopy in milliseconds:

The TEKTRONIX 7J20-RSS introduces a new capability in real-time rapid scanning spectrometry. It allows the chemist to follow a chemical reaction by observing the entire transmission spectrum in repetitive scans. 400 nm in 4 ms means that you don't have to repeat experiments and risk getting misleading or inaccurate results. And you can do something you couldn't do before: observe the transmission spectra of any intermediates.

The 7J20-RSS has two gratings: one gives you a 400-nm spectral window with 4-nm resolution, the other a 40-nm window with 0.4-nm resolution for more detailed observation. It measures absorption spectra from 300 nm to 1100 nm in units of absorbance or transmittance, and it displays the spectra as rapidly as it scans them.

You can locate wavelengths of spectral features of interest quickly and accurately with the movable wavelength marker, an intensified spot in the display. You can see instrument settings—the wavelength of the wavelength marker spot, dispersion, and scan time—at a glance: they appear digitally on the crt screen.

The 7J20-RSS interfaces easily with stopped-flow kinetics instruments, commercial or custom-made. It's a complete system and a versatile one: you can use it in any TEKTRONIX 7000-Series Oscilloscope, with storage or without, and, for complex analyses, with a Digital Processing Oscilloscope.

Stopped-flow kinetics is only one application for the 7J20-RSS in the chemist's lab. You may also be able to use it in absorption spectroscopy or luminescence spectroscopy, or to measure the spectrum of virtually any source in your laboratory.

For a demonstration, contact your nearest Tektronix Field Office. For application assistance, call Dr. Jere Marrs, (503) 644-0161, ext 6654. For complete information, write Tektronix, Inc., P.O. Box 500, Beaverton, Oregon 97077. In Europe, write Textronix Limited, P.O. Box 36, St. Peter Port, Guernsey, Channel Islands.

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