

"A Heated Cuvette Holder for Fiber-Optic Ultraviolet-Visible Spectrophotometers."
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Abstract: The design and construction of a novel heated cuvette holder for fiber optic UV-vis spectrophotometers is described. The cuvette holder is especially useful for determining the kinetics of reactions at temperatures greater than 100 °C. Kinetics for the Diels-Alder reaction of tetraphenylcyclopentadienone with diphenylacetylene are investigated at several temperatures as an illustration of the benefits of the new system.