

# Visual Observation of Materials & Supercritical Fluids



The SFT Phase Monitor II from Supercritical Fluids determines the solubility of various compounds and mixtures in supercritical and high-pressure fluids. Moreover, the company believes that the Phase Monitor II offers:

- The capacity to investigate the effect of co-solvents on the solubility of compounds of interest.
- Direct visual observation of materials under conditions precisely controlled by the user.
- Accommodations for liquids, supercritical carbon dioxide and other liquefied gases.
- The ability to observe the dissolution, precipitation and crystallization of compounds.
- Operation at pressures up to 10,000 PSI and from ambient temperature up to 150°C.
- The flexibility to perform advanced studies to determine melting point depressions and the degree of polymer swelling in SF CO<sub>2</sub> or traditional solvents.
- Applications that may include binary, tertiary and complex mixtures; multiple compounds; the selective extraction of compounds, the fractionation of compounds; crystallization and reactions; and the swelling

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of polymer matrices.

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### Links:

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