

High-Resolution Raman System



B&W Tek Inc. has introduced the i-Raman Plus portable Raman spectrometer, an enhanced version of the company's i-Raman portable Raman spectrometer, powered by smart spectrometer technology.

The i-Raman Plus uses a high-efficiency back-thinned CCD detector with deep TE cooling and high dynamic range to deliver an improved signal-to-noise ratio for up to 30 min of integration time, making it possible to measure weak Raman signals. It features the combination of wide spectral coverage and high resolution with configurations measuring out to $4,000\text{cm}^{-1}$, enabling the measurement of CH stretching bands around 3100cm^{-1} . The spectrometer also features onboard processing including averaging, smoothing, and dark compensation. The instrument comes with a fiber optic probe, probe holder with xyz positioning stage, cuvette adaptor for measuring liquid samples, and BWIQ multivariate analysis software.

B&W Tek Inc., www.bwtek.com [1]

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