Spectrometer

Model 248/310 spectrometer is a tool for scientists developing new pulsed and tunable x-ray laser sources. It can detect laser harmonics over the 4 eV to 1.2 keV energy range. It bridges the gap between diffraction grating instruments and dedicated x-ray instruments. Model 248/310G is suitable for work in the $10^{-6}$ torr vacuum range. An ultra-high vacuum version is available for work in the $10^{-10}$ torr vacuum range. An assortment of diffraction gratings is available to match the experimental region of interest. The 248/310 complements the McPherson line of vacuum-capable spectrometers suitable for lower energies and longer wavelengths. It features clean stainless steel construction and compact design that works well with a variety of laboratory discharge light sources and detectors.

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