

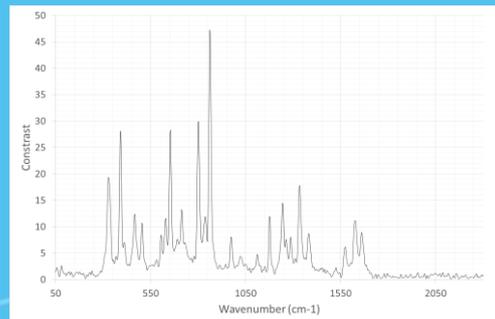
HES – Spectrometer



IS- Instruments HES spectrometers are ideal for low light applications including Raman and Fluorescent spectroscopy. These devices are compact and offer a hundred fold increase in etendue / throughput over conventional Czerny turner systems. They require no slit to achieve high resolution performance and ideal for integration into larger systems

Key Features

- Up to 500 times improvement in etendue / throughput
- Requires no slit
- Fibre coupled, (up to 3 mm input aperture)
- High spectral resolution option available (< 4 cm⁻¹)
- Both cooled and uncooled detector options
- UV – NIR options



Applications

- Raman and fluorescent spectroscopy
- Ideal for spatially offset and Transmission Raman measurements
- Absorption and reflectance spectroscopy

Typical configuration

- Spectral range 200cm⁻¹-2300cm⁻¹
- Resolution 4.7 cm⁻¹
- Fibre aperture up to 3 mm
- Fibre Na 0.22
- Detector Dark counts Cooled ≥ 0.0002 e/pix/sec
- Uncooled ≥ 0.3 e/pix/sec