Knight Optical supply high quality, rugged mini spectrometers for VIS and NIR spectral analysis of soil reflectance in order to improve soil management in precision agriculture.

**Mini spectrometers for UV/VIS/NIR chemical analysis in agriculture**
Shooting Star research grade concave grating mini spectrometers with 2048 element CCD detectors for spectral analysis between 190-1100nm, including slit resolution up to 0.4um and signal to noise ratios better than 1000:1.

- **Accuracy** better than 0.25nm
- **Repeatability** better than 0.05nm
- **Stability** better than 0.001nm/oC

**Raman spectrometers for fast chemical identification**
Raman Galaxy mini spectrometers for 785nm or 1064nm with superior optics and stray light less than 0.05%.

High resolution models available for up to 4cm⁻¹ resolution using a 2048 pixel CCD detector with the option of TEC cooling for greatly enhanced signal to noise ratios.

**Exceptionally durable design for field applications**
All spectrometers feature rugged extruded aluminium housing and contain no electronics on the optical bench.

Our high quality CCD and PDA detectors are bolted securely to minimise risk of damage during field operations.

Our state of the art Metrology and Quality Assurance department ensure that each component is individually inspected to ensure it meets your exact specification.

For more information or to place an order contact our multilingual technical sales team and discover how Knight Optical’s high quality mini spectrometers and service can improve your instrumentation and supply chain experience.