



**Title:** Knight Multisystems

**Material / Specification:** 200-1700nm

**Part number(s):** OSP0801, OSP0802, OSP0803, OSP0804

## Our complete ranges of mini spectrometers are designed with operating efficiency in mind.

Knight Optical's Knight Multisystem range of dual spectrometer systems combine two instruments to create an extended operating range that would be unachievable with a single spectrometer. By combining a 2048 CCD detector array and an InGaAs NIR PDA array, our Knight Multisystem is able to work from the UV to the NIR – depending on the specifications required our models range from 200-1700 or 280-1700. Our Multisystem makes the most of both systems to measure quickly and accurately over a wide spectrum.

All our mini spectrometers are extremely durable, designed for use in the field as well as the lab. The

detector is bolted to the case and the optic is held with military grade epoxy to significantly increase vibration tolerance and consistency of results.

Designed to be fully "Plug and Play," the Knight Multisystem mini spectrometer range is ready to use straight out the box. Install the supplied SpectraWiz software, plug the system in and start taking measurements without any fuss. The Knight Multisystem mini spectrometer has no moving parts and is enclosed in a rugged case for exceptional durability making it both portable and reliable out in the field.



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**Directors:** Mr C. G. Overton, Mrs A. E. Overton. Knight Optical (UK) Ltd is Registered in England and Wales, **Registration No.** 3755966 Registered office: 34 Bower Mount Road, Maidstone, Kent, ME16 8AU **V.A.T. Registration No.** GB 703 1430 90

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## Variations of the Knight Multisystem:

Model	Spectrometer Range (nm)	No. of Elements	System 1	System 2
DSR/BS	350-1700	2048 CCD/512 PDA	Blueshift VIS	Redshift NIR I
DSR/SS	280-1700	2048 CCD/512 PDA	Shooting Star C I	Redshift NIR I
DSR/UVN I	200-1700	2048 CCD/512 PDA	Blueshift UVN II	Redshift NIR I
DSR/UVN II	200-1700	2048 CCD/1024 PDA	Blueshift UVN II	Redshift NIR V

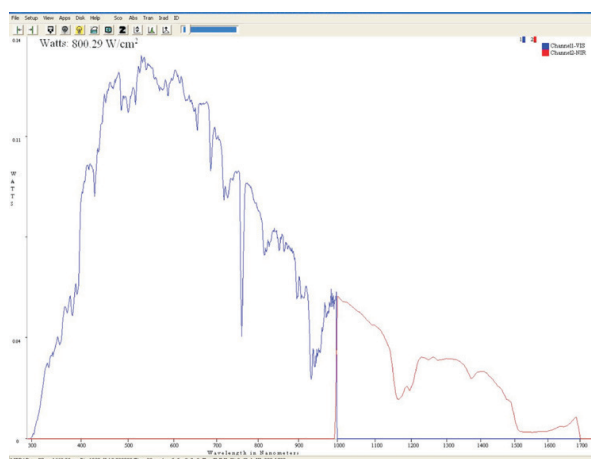
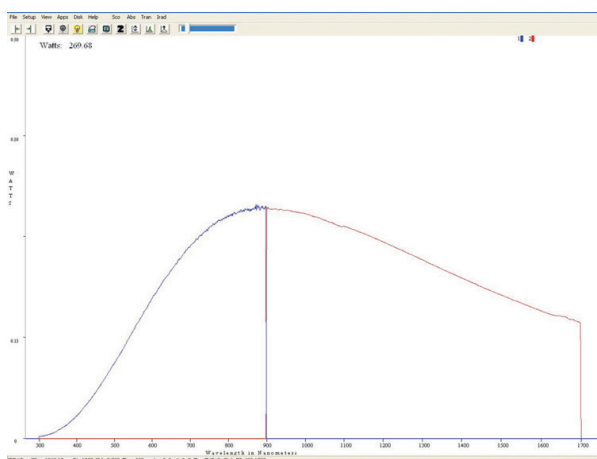
## Variations:

Knight Optical supplies four standard Multisystem models to cover most applications. This allows us to provide a quick and affordable solution to your spectrometry requirements. If these do not suit your needs we are able to offer any UV-VIS and NIR spectrometers from our standard ranges paired together as dual systems for increased operating ranges. Check out our UV-VIS CC and InGaAs PDA mini spectrometer ranges for more options or speak to our experienced sales team for advice.

Our mini spectrometers are supplied with intuitive Windows XP, Vista, 7 and 8 compatible SpectraWiz software for quick and easy measuring wherever you are. SpectraWiz software is versatile, allowing

for accurately measuring and displaying wavelength emissions, reflectance, transmission, absorption, concentrations and absolute intensities. The instrument uses a standard SMA-905 connector for single strand fiber optics and a miniature USB hub provides PC and laptop connectivity.

The images below, taken from the SpectraWiz software supplied, show some of the many applications for Knight Multisystem mini spectrometers including lab based analysis of low level signal detection, absorbance spectrums alongside diode light emittance and thin film scanning.



In addition to our Knight Multisystem mini spectrometer options, Knight Optical also supply a range of mini spectrometer models and accessories for alternative applications. Please click on the "See also" tab below. Alternatively speak to our experienced, technical sales team to discover how Knight Optical's range of high quality mini-spectrometers can improve your spectral analysis capabilities and experience.

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