

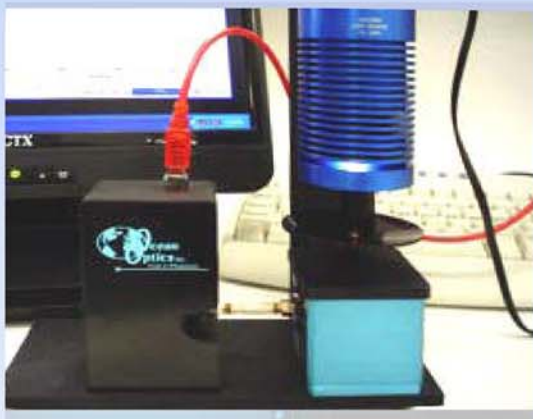
SpectraKit

from ocean optics

Optical Transmission Spectroscopy

The **OTS SpectraKit** contains all the necessary instrumentation to analyze optically transparent samples.

This compact system uses an excitation source and a miniature spectrometer to deliver real-time transmittance measurements of ophthalmic lenses and other optical components.



The **OTS SpectraKit** is ideal for both inline and in-lab applications where transmittance accuracy (to $\pm 1.0\%$) and precision ($\pm 0.1\%$) are critical. Typical applications include measurement of optical filters, and glass and ophthalmic lenses. Other common applications including characterization of optical coatings, optical windows and filters, and measurements of glass and plastic.

The **OTS SpectraKit** covers the 380-1000 nm wavelength range and accepts samples from 10 mm to 76 mm in diameter and to 25.4 mm thickness.

The **OTS SpectraKit** includes:

- > High-resolution miniature linear CCD-array spectrometer.
- > High-power, 20-watt tungsten halogen light source.
- > Fiber optic integrating sphere for collecting signal transmitted through the sample.
- > Optics for improved beam collimation and spectral sensitivity distribution.
- > Sample fixture (z-stage) to hold sample in place and exclude ambient light.
- > Short optical fiber to channel signal from the integrating sphere to the spectrometer.
- > SpectraSuite with customized OTS operating software.
- > Wavelength calibration light source.

The **OTS SpectraKit** value-added solution includes documentation and experimental examples to familiarize the user with the system and software. Samples and reference materials for the instructional experiments plus a training video and Ocean Optics' annual service package for the spectrometer are included.

The SK-OTS kit is available from
User price: US\$ 9,200.00



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